

Samp_No	Location	Description	SampleDate	EventID	Analysis	Result_Uni	Aluminum
085M-007	A55	Howardsville gage	9/23/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A55	Howardsville gage	9/23/2014	2014_SEP_ICPOE	Tot. mg/kg dry	7790	
085M-007	A55	Howardsville gage	9/23/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A56	Animas Abv Arrastra	9/23/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A56	Animas Abv Arrastra	9/23/2014	2014_SEP_ICPOE	Tot. mg/kg dry	9310	
085M-007	A56	Animas Abv Arrastra	9/23/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A58	Mouth of Arrastra	9/23/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A58	Mouth of Arrastra	9/23/2014	2014_SEP_ICPOE	Tot. mg/kg dry	5920	
085M-007	A58	Mouth of Arrastra	9/23/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A60	Animas blw Arrastra	9/23/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A60	Animas blw Arrastra	9/23/2014	2014_SEP_ICPOE	Tot. mg/kg dry	7730	
085M-007	A60	Animas blw Arrastra	9/23/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A61	Animas abv Boulder	9/23/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A61	Animas abv Boulder	9/23/2014	2014_SEP_ICPOE	Tot. mg/kg dry	9280	
085M-007	A61	Animas abv Boulder	9/23/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A64	Animas blw Boulder &	9/23/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A64	Animas blw Boulder &	9/23/2014	2014_SEP_ICPOE	Tot. mg/kg dry	9610	
085M-007	A64	Animas blw Boulder &	9/23/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A65	Animas opp. Power Hc	9/25/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A65	Animas opp. Power Hc	9/25/2014	2014_SEP_ICPOE	Tot. mg/kg dry	8190	
085M-007	A65	Animas opp. Power Hc	9/25/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A66	Animas @ Lakawanna	9/25/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A66	Animas @ Lakawanna	9/25/2014	2014_SEP_ICPOE	Tot. mg/kg dry	9190	
085M-007	A66	Animas @ Lakawanna	9/25/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A68		9/24/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A68		9/24/2014	2014_SEP_ICPOE	Tot. mg/kg dry	7700	
085M-007	A68		9/24/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-007	A72		9/24/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-007	A72		9/24/2014	2014_SEP_ICPOE	Tot. mg/kg dry	9960	
085M-007	A72		9/24/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-008	A73	Animas upstream of El	9/25/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-008	A73	Animas upstream of El	9/25/2014	2014_SEP_ICPOE	Tot. mg/kg dry	6770	
085M-008	A73	Animas upstream of El	9/25/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-008	A73B	Animas Dwnstream of	9/25/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-008	A73B	Animas Dwnstream of	9/25/2014	2014_SEP_ICPOE	Tot. mg/kg dry	6620	
085M-008	A73B	Animas Dwnstream of	9/25/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-008	A75B	Animas Dwnstream of	9/24/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-008	A75B	Animas Dwnstream of	9/24/2014	2014_SEP_ICPOE	Tot. mg/kg dry	6640	
085M-008	A75B	Animas Dwnstream of	9/24/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-008	A75CC	Mouth of Cascade Cr.	9/24/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-008	A75CC	Mouth of Cascade Cr.	9/24/2014	2014_SEP_ICPOE	Tot. mg/kg dry	4740	
085M-008	A75CC	Mouth of Cascade Cr.	9/24/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-008	A75D	Animas upstream of C	9/24/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		
085M-008	A75D	Animas upstream of C	9/24/2014	2014_SEP_ICPOE	Tot. mg/kg dry	7660	
085M-008	A75D	Animas upstream of C	9/24/2014	2014_SEP_TM_Merc	umg/kg dry wt		
085M-008	A75EC	Mouth of Elk Cr.	9/25/2014	2014_SEP_ICPMS	Tot.ug/kg dry wt		

085M-008\A75EC	Mouth of Elk Cr.	9/25/2014 2014_SEP_ICPOE Tot. mg/kg dry	6560
085M-008\A75EC	Mouth of Elk Cr.	9/25/2014 2014_SEP_TM_Mercu mg/kg dry wt	
085M-008\Animas @32nd Bridge		9/25/2014 2014_SEP_ICPMS Tot. ug/kg dry wt	
085M-008\Animas @32nd Bridge		9/25/2014 2014_SEP_ICPOE Tot. mg/kg dry	5210
085M-008\Animas @32nd Bridge		9/25/2014 2014_SEP_TM_Mercu mg/kg dry wt	
085M-008\Animas @Lightner Creek		9/24/2014 2014_SEP_ICPMS Tot. ug/kg dry wt	
085M-008\Animas @Lightner Creek		9/24/2014 2014_SEP_ICPOE Tot. mg/kg dry	4710
085M-008\Animas @Lightner Creek		9/24/2014 2014_SEP_TM_Mercu mg/kg dry wt	
085M-008\Animas @Purple Cliffs		9/24/2014 2014_SEP_ICPMS Tot. ug/kg dry wt	
085M-008\Animas @Purple Cliffs		9/24/2014 2014_SEP_ICPOE Tot. mg/kg dry	4470
085M-008\Animas @Purple Cliffs		9/24/2014 2014_SEP_TM_Mercu mg/kg dry wt	
085M-008\Bbridge		9/25/2014 2014_SEP_ICPMS Tot. ug/kg dry wt	
085M-008\Bbridge		9/25/2014 2014_SEP_ICPOE Tot. mg/kg dry	8040
085M-008\Bbridge		9/25/2014 2014_SEP_TM_Mercu mg/kg dry wt	
085M-009\JamesRanch		9/24/2014 2014_SEP_ICPMS Tot. ug/kg dry wt	
085M-009\JamesRanch		9/24/2014 2014_SEP_ICPOE Tot. mg/kg dry	10600
085M-009\JamesRanch		9/24/2014 2014_SEP_TM_Mercu mg/kg dry wt	
085M-009\M34		9/24/2014 2014_SEP_ICPMS Tot. ug/kg dry wt	
085M-009\M34		9/24/2014 2014_SEP_ICPOE Tot. mg/kg dry	29100
085M-009\M34		9/24/2014 2014_SEP_TM_Mercu mg/kg dry wt	
A830-0729A55		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-0729A55		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	11200
A830-0729A55		4/16/2014 2014_APR_TM_Mercu mg/kg dry wt	
A830-073CA56		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-073CA56		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	15100
A830-073CA56		4/16/2014 2014_APR_TM_Mercu mg/kg dry wt	
A830-0731A58		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-0731A58		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	7360
A830-0731A58		4/16/2014 2014_APR_TM_Mercu mg/kg dry wt	
A830-0732A60		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-0732A60		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	13400
A830-0732A60		4/16/2014 2014_APR_TM_Mercu mg/kg dry wt	
A830-0733A61		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-0733A61		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	13500
A830-0733A61		4/16/2014 2014_APR_TM_Mercu mg/kg dry wt	
A830-0734A64		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-0734A64		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	10700
A830-0734A64		4/16/2014 2014_APR_TM_Mercu mg/kg dry wt	
A830-0735A65		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-0735A65		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	13100
A830-0735A65		4/16/2014 2014_APR_TM_Mercu mg/kg dry wt	
A830-0736A66		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-0736A66		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	11700
A830-0736A66		4/16/2014 2014_APR_TM_Mercu mg/kg dry wt	
A830-0737A68		4/16/2014 2014_APR_ICPMS Tot. ug/kg dry wt	
A830-0737A68		4/16/2014 2014_APR_ICPOE Tot. mg/kg dry	13000

A830-0737A68	4/16/2014 2014_APR_TM_Mercumg/kg dry wt	
A830-0738A72	4/14/2014 2014_APR_ICPMS Tot.ug/kg dry wt	
A830-0738A72	4/14/2014 2014_APR_ICPOE Tot. mg/kg dry	18900
A830-0738A72	4/14/2014 2014_APR_TM_Mercumg/kg dry wt	
A830-0739A73	4/15/2014 2014_APR_ICPMS Tot.ug/kg dry wt	
A830-0739A73	4/15/2014 2014_APR_ICPOE Tot. mg/kg dry	40700
A830-0739A73	4/15/2014 2014_APR_TM_Mercumg/kg dry wt	
A830-074CA75D	4/15/2014 2014_APR_ICPMS Tot.ug/kg dry wt	
A830-074CA75D	4/15/2014 2014_APR_ICPOE Tot. mg/kg dry	29900
A830-074CA75D	4/15/2014 2014_APR_TM_Mercumg/kg dry wt	
A830-0741Bbridge	4/15/2014 2014_APR_ICPMS Tot.ug/kg dry wt	
A830-0741Bbridge	4/15/2014 2014_APR_ICPOE Tot. mg/kg dry	27300
A830-0741Bbridge	4/15/2014 2014_APR_TM_Mercumg/kg dry wt	

A830-0056A68	5/15/2012 2012_MAY_ICPMS Tot.ug/kg dry wt	
A830-0056A68	5/15/2012 2012_MAY_ICPOE Tot. mg/kg dry	9050
A830-0056A68	5/15/2012 2012_MAY_TM_Mercumg/kg dry wt	
A830-0057A72	5/15/2012 2012_MAY_ICPMS Tot.ug/kg dry wt	
A830-0057A72	5/15/2012 2012_MAY_ICPOE Tot. mg/kg dry	12200
A830-0057A72	5/15/2012 2012_MAY_TM_Mercumg/kg dry wt	
A830-006CA72	5/15/2012 2012_MAY_ICPMS Tot.ug/kg dry wt	
A830-006CA72	5/15/2012 2012_MAY_ICPOE Tot. mg/kg dry	12600
A830-006CA72	5/15/2012 2012_MAY_TM_Mercumg/kg dry wt	

A830-0083A56	10/3/2012 2012_OCT_ICPMS Tot.ug/kg dry wt	
A830-0083A56	10/3/2012 2012_OCT_ICPOE Tot. mg/kg dry	10300
A830-0083A56	10/3/2012 2012_OCT_TM_Mercumg/kg dry wt	
A830-0084A58	10/4/2012 2012_OCT_ICPMS Tot.ug/kg dry wt	
A830-0084A58	10/4/2012 2012_OCT_ICPOE Tot. mg/kg dry	6080
A830-0084A58	10/4/2012 2012_OCT_TM_Mercumg/kg dry wt	
A830-0085A68	10/1/2012 2012_OCT_ICPMS Tot.ug/kg dry wt	
A830-0085A68	10/1/2012 2012_OCT_ICPOE Tot. mg/kg dry	15300
A830-0085A68	10/1/2012 2012_OCT_TM_Mercumg/kg dry wt	
A830-0086A72	10/4/2012 2012_OCT_ICPMS Tot.ug/kg dry wt	
A830-0086A72	10/4/2012 2012_OCT_ICPOE Tot. mg/kg dry	21500
A830-0086A72	10/4/2012 2012_OCT_TM_Mercumg/kg dry wt	
A830-0087A73	10/3/2012 2012_OCT_ICPMS Tot.ug/kg dry wt	
A830-0087A73	10/3/2012 2012_OCT_ICPOE Tot. mg/kg dry	11800
A830-0087A73	10/3/2012 2012_OCT_TM_Mercumg/kg dry wt	
A830-0088A73B	10/3/2012 2012_OCT_ICPMS Tot.ug/kg dry wt	
A830-0088A73B	10/3/2012 2012_OCT_ICPOE Tot. mg/kg dry	31900
A830-0088A73B	10/3/2012 2012_OCT_TM_Mercumg/kg dry wt	
A830-0089A75B	10/3/2012 2012_OCT_ICPMS Tot.ug/kg dry wt	
A830-0089A75B	10/3/2012 2012_OCT_ICPOE Tot. mg/kg dry	48600
A830-0089A75B	10/3/2012 2012_OCT_TM_Mercumg/kg dry wt	
A830-009CA75CC	10/3/2012 2012_OCT_ICPMS Tot.ug/kg dry wt	

A830-009CA75CC	10/3/2012 2012_OCT_ICPOE Tot. mg/kg dry	4700
A830-009CA75CC	10/3/2012 2012_OCT_TM_Mercu mg/kg dry wt	
A830-0091A75D	10/3/2012 2012_OCT_ICPMS Tot. ug/kg dry wt	
A830-0091A75D	10/3/2012 2012_OCT_ICPOE Tot. mg/kg dry	15600
A830-0091A75D	10/3/2012 2012_OCT_TM_Mercu mg/kg dry wt	
A830-0092BBRIDGE	10/3/2012 2012_OCT_ICPMS Tot. ug/kg dry wt	
A830-0092BBRIDGE	10/3/2012 2012_OCT_ICPOE Tot. mg/kg dry	37400
A830-0092BBRIDGE	10/3/2012 2012_OCT_TM_Mercu mg/kg dry wt	
A830-0093CC49	10/4/2012 2012_OCT_ICPMS Tot. ug/kg dry wt	
A830-0093CC49	10/4/2012 2012_OCT_ICPOE Tot. mg/kg dry	5310
A830-0093CC49	10/4/2012 2012_OCT_TM_Mercu mg/kg dry wt	
A830-0094A68	10/1/2012 2012_OCT_ICPMS Tot. ug/kg dry wt	
A830-0094A68	10/1/2012 2012_OCT_ICPOE Tot. mg/kg dry	16600
A830-0094A68	10/1/2012 2012_OCT_TM_Mercu mg/kg dry wt	
A830-0095M34	10/4/2012 2012_OCT_ICPMS Tot. ug/kg dry wt	
A830-0095M34	10/4/2012 2012_OCT_ICPOE Tot. mg/kg dry	22400
A830-0095M34	10/4/2012 2012_OCT_TM_Mercu mg/kg dry wt	
A830-0437A56	5/13/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0437A56	5/13/2013 2013_MAY_ICPOE Tot. mg/kg dry	8250
A830-0438A58	5/13/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0438A58	5/13/2013 2013_MAY_ICPOE Tot. mg/kg dry	6780
A830-0439A60	5/13/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0439A60	5/13/2013 2013_MAY_ICPOE Tot. mg/kg dry	9160
A830-044CA61	5/13/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-044CA61	5/13/2013 2013_MAY_ICPOE Tot. mg/kg dry	10600
A830-0441A64	5/14/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0441A64	5/14/2013 2013_MAY_ICPOE Tot. mg/kg dry	10500
A830-0442A65	5/14/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0442A65	5/14/2013 2013_MAY_ICPOE Tot. mg/kg dry	9250
A830-0443A66	5/14/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0443A66	5/14/2013 2013_MAY_ICPOE Tot. mg/kg dry	8370
A830-0445A68	5/14/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0445A68	5/14/2013 2013_MAY_ICPOE Tot. mg/kg dry	7650
A830-0446A72	5/14/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0446A72	5/14/2013 2013_MAY_ICPOE Tot. mg/kg dry	11800
A830-0447A73	5/15/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0447A73	5/15/2013 2013_MAY_ICPOE Tot. mg/kg dry	9220
A830-0448A73B	5/15/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0448A73B	5/15/2013 2013_MAY_ICPOE Tot. mg/kg dry	10600
A830-0449A73EC	5/15/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0449A73EC	5/15/2013 2013_MAY_ICPOE Tot. mg/kg dry	7930
A830-045CA73MC	5/15/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-045CA73MC	5/15/2013 2013_MAY_ICPOE Tot. mg/kg dry	4180
A830-0451A75B	5/15/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	
A830-0451A75B	5/15/2013 2013_MAY_ICPOE Tot. mg/kg dry	7220
A830-0452A75CC	5/15/2013 2013_MAY_ICPMS Tot. ug/kg dry wt	

A830-0452A75CC	5/15/2013 2013_MAYICPOE Tot. mg/kg dry wt	
A830-0453A75D	5/15/2013 2013_MAYICPMS Tot.ug/kg dry wt	
A830-0453A75D	5/15/2013 2013_MAYICPOE Tot. mg/kg dry	8550
A830-0454Bbridge	5/15/2013 2013_MAYICPMS Tot.ug/kg dry wt	
A830-0454Bbridge	5/15/2013 2013_MAYICPOE Tot. mg/kg dry	7360

Arsenic	Beryllium	Cadmium	Calcium	Chloride	Chromium	Copper	Dissolved (Dissolved (Flow
18000		7660			3520	203000	
			2900				
20200		11600			3600	244000	
	2.94		3550				
9800		5540			3270	333000	
			2340				
20400		9550			3880	262000	
			2730				
20500		4950			3550	286000	
	2.1		2630				
21300		7930			3550	264000	
	3		3840				
19400		6820			3760	271000	
			2830				
23700		9170			3700	243000	
			3180				
17500		10800			3730	216000	
			3040				
26800		3030			3010	133000	
			1970				
20500		2700			3500	113000	
			1870				
19900		2720			3680	98800	
			2110				
9220		1990			5010	67000	
			2050				
3080		164			6690	7890	
			5150				
17500		3730			3720	103000	
			2150				
6550		714			7290	13000	

		952		
8710		2100	4440	55000
		2740		
10300		3200	5380	41300
		71200		
6840		1100	4190	19000
		32700		
16200		4630	4740	92000
		4070		
18900		4970	4830	108000
		3830		
32700		1870	2790	127000
		2340		
22200		10900	3260	334000
	4.55	4170		
33100		17800	4720	432000
	6.35	7720		
14700		6470	4850	79500
		3000		
16400		5840	6350	166000
		5250		
19800		9020	5280	638000
	2.99	4120		
18800		6250	5150	199000
		3520		
21800		10200	5490	331000
	2.16	4600		
18300		18300	4070	378000
	2.24	3700		
19100		15700	4210	390000
	2.82	3950		

37000		1700		3450	145000
			1830		
33800		5600		2830	284000
	4.2		2220		
28500		6750		4390	223000
	3.66		3370		
25900		14600		4280	199000
	3.51		6510		
25900		13400		4970	374000
			3280		
40600		2800		6100	152000
			2760		
35200		2790		5860	154000
			2940		
31900		4660		7470	
			4400		250
13300		9510		4180	
			3240		943
89500		24200		5690	
	6.77		5890		745
36300		1810		4050	
			3750		179
25500		3640		4020	
			2300		223
39400		4240		5020	
	3.24		4740		292
37200		10500		5160	
	5.98		5700		413
2170		303		5860	



		7370	11.5
13200	4870	3730	
		2600	152
29700	18600	5210	
4.85		6060	357
40600	595	4620	
		1330	55.6
108000	23500	5790	
7.32		6520	791
21100	888	3440	
		5590	53.8
20300	12800	4650	267000
		2900	
9370	6230	3260	458000
		2590	
24400	14700	4860	286000
		2810	
44000	11300	4710	466000
2.53		3360	
44200	11900	4420	336000
2.77		3840	
30300	10300	4760	328000
		3100	
26900	8440	5680	257000
		3450	
26300	13700	5210	352000
		3060	
26100	1150	6410	77800
		2860	
31900	4100	5600	176000
		2710	
30400	3560	4720	140000
		1760	
8730	805	8660	13200
		1880	
6820	421	7250	5720
		3690	
13300	2650	5450	82700
		1970	
2990	157	6340	6120

18200	3880		4990	108000
		2120		
15900	2460		7380	116000
		11500		

Fluoride	Iron	Lead	Magnesium	Manganese	Nickel	pH	Potassium	Selenium	Silver
		1230000				5650			2990
	20900		4440	6660			432		
		1180000				7130			3620
	21700		4450	9250			422		
		1080000				3050			3390
	19900		4020	2680			416		
		1610000				6260			5960
	23400		4690	7460			423		
		1400000				6520			5230
	22800		4540	8210			498		
		1120000				6840			4880
	24500		4370	6850			488		
		1220000				6490			3610
	25000		4710	8180			435		
		1190000				7110			4810
	25700		4760	8190			453		
		1240000				6560			2900
	24000		4590	9430			423		
		499000				5330			1830
	42000		3580	3400			521		
		435000				5500			1240
	36800		3610	2780			522		
		540000				8160			1250
	35200		3610	2480			461		
		98000				6710			512
	20100		3320	2070			666		
		5210				7310			
	9700		3880	376			834		
		339000				8200			948
	30800		3580	3750			638		
		5290				37900			

14400		2460	708		632		
	186000			9770			1210
15300		2970	2220		523		
	92400			19500		1180	569
17800		6550	1150		708		
	35500			10700			
14600		6250	399		723		
	244000			12100			1020
27200		3640	3970		741		
	290000			11900			1260
29900		3840	4250		839		
	237000			5930			896
89000		2520	1160		812		
	1040000			6760		1010	5520
22900		3850	8060		505		
	1220000			9920		1620	7640
40700		4550	12700		705		
	307000			3640		1320	1410
34200		5050	1030		696		
	554000			9620			3480
33500		8200	3400		640		
	891000			8560		1100	4280
32000		6130	6400		633		
	1050000			7440			3590
31400		6360	4920		477		
	900000			9900			3870
31600		6190	10300		591		
	1230000			10100			4130
31700		5250	20500		376		
	1080000			10300			4350
32400		5000	19700		409		

	470000			4330		1050	1680
74600		4080	1710		537		
	297000			7190			1350
109000		2240	7120		418		
	261000			13100		1060	1270
67900		2930	6900		724		
	248000			22000		1160	1330
62100		3220	13100		763		
				8950		1290	7090
29100	1890	4560	12200		797		
				6380		2030	1990
57500	581	4820	2710		885		
				6350		1720	1830
59300	582	5080	2910		851		
				7610		1640	7150
35600	1490	6160	3140		774		
				3320		1000	12700
20200	3580	3440	4820		518		
				16500		2860	13300
45300	3030	4260	22300		1120		
				4790		1830	2760
56900	542	5160	1470		1190		
				6840		1430	2320
51600	729	3870	4140		591		
				12100		2890	3090
70700	468	4620	2610		1140		
				16500		3260	2180
84500	435	3740	3820		1250		
				7740		816	

9290		3300	329		780		
				9090		1400	724
33700	231	3060	3010		547		
				31600		3100	1710
68400	378	3540	10500		1040		
				2850		747	2000
143000	282	2520	478		807		
				17100		3220	15400
50600	3400	4610	21900		1300		
				4640		1740	651
46500	129	6500	1430		1130		
	1820000			5990		548	7060
26100		5200	9760		590		
	1860000			2810			9550
20300		4410	4060		500		
	2100000			7580			4050
24400		5370	12600		563		
	2120000			7190			7340
27500		4950	11000		701		
	1770000			7200		905	7140
30000		4800	9670		722		
	1840000			6680			5530
28800		5020	12900		624		
	1750000			5920			5060
29600		5120	7830		633		
	2180000			8760			9220
28800		4290	10300		587		
	299000			4880		1040	1300
45800		4270	1210		682		
	591000			6070		717	2780
55700		3780	3320		711		
	593000			9780			1650
67100		3750	4340		590		
	9620			33500		529	
19300		2860	724		697		
	13600			6220			
12300		2880	593		568		
	354000			5930		588	1510
26000		3460	2340		625		
	5070			5980			

	367000			7270		1370
34400		4110	3730		719	
	328000			7360		1080
28200		5760	2130		1040	

Sodium	Specific CoSulfate as !	Temperati	Total Orga	Zinc	% Solids	ACIDITY	Antimony	Barium
							1670	102000
				1920				
							1640	129000
				3220				
							1480	56000
				1190				
							2190	91700
				2130				
							1760	76700
				2330				
							1690	101000
				2730				
							1670	89200
				1700				
							1940	118000
				2500				
							1760	128000
				2480				
							1390	93200
				858				
							1510	92800
				749				
							1580	113000
				659				
							1430	86900
				578				
								93000
				45.3				
							1220	107000
				1080				
								50700



142		
	644	78500
810		
	772	153000
529		
		163000
157		
	863	119000
1700		
	927	128000
1730		
	1320	126000
666		
	1340	111000
3480		
	1330	166000
6200		
		120000
1070		
		81000
1530		
	779	87500
2530		
	751	103000
1950		
	711	113000
2890		
	1040	165000
4380		
	1040	169000
4890		

	961	113000
616		
	1660	109000
1450		
	1050	134000
2910		
	1100	216000
6030		
	3080	173000
3030		
	1570	137000
748		
	1480	134000
758		
	1920	91100
1450		
	2560	149000
1620		
	6070	233000
11500		
	1150	146000
646		
	1400	108000
1000		
	1330	131000
1720		
	1690	125000
5320		
		84200

314

63.1

586 118000

1930

1070 173000

8670

1520 93000

195

6440 221000

12000

118000

270

2170 134000

2330

1940 127000

1260

2610 159000

3180

4320 130000

2840

3660 144000

3470

2910 130000

2590

2110 140000

1950

2570 163000

2830

727 109000

386

2050 180000

998

1540 128000

964

503 62400

126

75400

76.7

987 77000

672

71500

	1500	119000
1030		
	978	137000
2080		

Cobalt	Hardness	Mercury	Nitrate as N	Nitrate/Nitrite as N	Strontium	Thallium	Total Alkal	TOTAL DIS
10800					37.6			
		0.04						
13200					37.5	1110		
		0.06						
7290					28.9	1120		
		0.06						
11000					27.2			
		0.07						
10500					25.5			
		0.05						
11800					50.1			
		0.13						
11100					27.1			
		0.03						
12200					34.6			
		0.05						
12100					30.5			
		0.02						
13600					40.6			
		0.05						
10800					32.9			
		0.02						
11900					29.9			
		0.04						
10100					21.8			
5670					17.8			
17200					35	1140		
24000						552		

		4.73	
8730		23.8	
7440		260	
	0.04		
5150		121	
	0.04		
17200		39.6	
	0.02		
17800		39.1	
	0.04		
25400		42.4	
	0.05		
9810		49.2	
	0.135		
15600		84	533
	0.171		
8750		55.4	657
	0.013		
16200		47.4	
	0.033		
13600		38.1	
	0.091		
14000		34.5	
	0.053		
16100		47.5	
	0.073		
19800		45.6	
	0.06		
19500		46	

9810	0.056		
		38.1	
34700	0.039		
		36.8	
35900	0.036		
		52.4	
50000	0.038		
		79.4	
	0.043		
13500			
		39.4	
15600	0.081		1590
		53	
16500	0.072		613
		53	
	0.066		
14200			
		45	
9650	0.17		1200
		41.5	
18400	0.31		655
		87.3	
10600	0.19		
		72.2	
16600	0.06		
		35.7	
17700	0.05		
		78.9	
27700	0.09		
		90.1	
5940	0.07		

		24.4	
	0.02		
17000		39.1	
	0.04		
60500		88.2	
	0.06		
3790		42.8	
	0.06		
20600		91.3	542
	0.23		
14300		71.9	
	0.02		
10100		27.8	
6650		30.5	627
13000		36.4	
14400		26.2	
11500		39.6	
11800		30.1	
10200		29.5	
11100		36.4	
8470		44.2	
13700		41.7	
19200		31.2	
20700		8.93	
4930		10.8	
9570		24.3	
4740			



15200

28.9

9700

51.6

TOTAL SUSVanadium Ammonia as N

13700

13400

12600

14300

14300

14400

15500

14700

14800

16400

16300

16200

14200

11200

14500

7780

11300

19900

13300

15000

15500

16300

12900

16400

20500

21700

18300

18900

18600

16000

16000

22200

22800

19000

18900

18000

26000

25000

19300

9440

13400

20600

16900

21200

21500

8210

11700

19800

27800

14900

18200

15400

11500

15000

15600

12800

15000

18600

14500

23200

21000

19800

7660

8380

13200

7650

15600

15300

Samp_No	Location	SampleDate	EventID	Analysis	Result_Uni	Aluminum	Arsenic	Beryllium
085M-060A55		9/24/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd			238	
085M-060A55		9/24/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	143			0.1
085M-060A55		9/24/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-060A56		9/24/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd			141	
085M-060A56		9/24/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	91.8			0.09
085M-060A56		9/24/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061A60		9/25/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd			130	
085M-061A60		9/25/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	120			0.1
085M-061A60		9/25/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061A68		9/25/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd			631	
085M-061A68		9/25/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	212			0.1
085M-061A68		9/25/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061A72		9/25/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd				
085M-061A72		9/25/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	261			
085M-061A72		9/25/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061A73		10/16/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd			208	
085M-061A73		10/16/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	251			
085M-061A73		10/16/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061A75D		10/16/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd				
085M-061A75D		10/16/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	78.4			
085M-061A75D		10/16/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061A75CC		10/16/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd			194	
085M-061A75CC		10/16/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	50.5			
085M-061A75CC		10/16/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061A75EC		10/16/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd			181	
085M-061A75EC		10/16/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	225			
085M-061A75EC		10/16/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061BBRIDGE		9/26/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd				
085M-061BBRIDGE		9/26/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	114			
085M-061BBRIDGE		9/26/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
085M-061A45		10/11/2014	2014_NOV_MacICPMS	Tot.ug/kg as rcvd			221	
085M-061A45		10/11/2014	2014_NOV_MacICPOE	Tot. mg/kg as r	247			0.2
085M-061A45		10/11/2014	2014_NOV_MacTM_Mercu	mg/kg as rcvd				
A830-0372A75B		10/20/2012	2012_NOV_InveICPMS	Tot.ug/kg dry wt				
A830-0372A75B		10/20/2012	2012_NOV_InveSolids,	Dry % by Weight				
A830-0372A75B		10/20/2012	2012_NOV_InveTM_Mercu	mg/kg dry wt				
A830-0253A68		10/3/2012	2012_NOV_InveICPMS	Tot.ug/kg dry wt			5860	
A830-0253A68		10/3/2012	2012_NOV_InveSolids,	Dry % by Weight				
A830-0253A68		10/3/2012	2012_NOV_InveTM_Mercu	mg/kg dry wt				
A830-0254Bbridge		10/3/2012	2012_NOV_InveICPMS	Tot.ug/kg dry wt			8690	
A830-0254Bbridge		10/3/2012	2012_NOV_InveSolids,	Dry % by Weight				
A830-0254Bbridge		10/3/2012	2012_NOV_InveTM_Mercu	mg/kg dry wt				
A830-0255A56		10/3/2012	2012_NOV_InveICPMS	Tot.ug/kg dry wt			18600	
A830-0255A56		10/3/2012	2012_NOV_InveSolids,	Dry % by Weight				
A830-0255A56		10/3/2012	2012_NOV_InveTM_Mercu	mg/kg dry wt				
A830-0256M34		10/3/2012	2012_NOV_InveICPMS	Tot.ug/kg dry wt			2350	

A830-0256M34	10/3/2012 2012_NOV_InveSolids, Dry % by Weight	
A830-0256M34	10/3/2012 2012_NOV_InveTM_Mercumg/kg dry wt	
A830-0257A72	10/3/2012 2012_NOV_InveICPMS Tot.ug/kg dry wt	6850
A830-0257A72	10/3/2012 2012_NOV_InveSolids, Dry % by Weight	
A830-0257A72	10/3/2012 2012_NOV_InveTM_Mercumg/kg dry wt	
A830-0909Howardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0909Howardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	91
A830-0909Howardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0909Howardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-091CHowardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-091CHowardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	139
A830-091CHowardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-091CHowardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0911HHowardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0911HHowardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	50.1
A830-0911HHowardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0912HHowardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0912HHowardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	46
A830-0912HHowardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0912HHowardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0913HHowardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0913HHowardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	210
A830-0913HHowardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0913HHowardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0914Fingerling :	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0914Fingerling :	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	238
A830-0914Fingerling :	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0915Fingerling :	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0915Fingerling :	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	97.6
A830-0915Fingerling :	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0916Fingerling :	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	719
A830-0916Fingerling :	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	170
A830-0916Fingerling :	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0916Fingerling :	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0917Fingerling :	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	513
A830-0917Fingerling :	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	159
A830-0917Fingerling :	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0917Fingerling :	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0918Fingerling :	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0918Fingerling :	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	25
A830-0918Fingerling :	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0918Fingerling :	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0919Adult #11	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0919Adult #11	9/25/2014 2014_DEC_Fish_ICPOE Tot. mg/kg dry	72.1
A830-0919Adult #11	9/25/2014 2014_DEC_Fish_Solids, Dry % by Weight	
A830-0919Adult #11	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	



A830-092CAdult #12	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-092CAdult #12	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	137
A830-092CAdult #12	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-092CAdult #12	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0921Adult #13	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0921Adult #13	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	39.4
A830-0921Adult #13	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-0921Adult #13	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0922Adult #14	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0922Adult #14	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	205
A830-0922Adult #14	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-0922Adult #14	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0923Adult #15	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0923Adult #15	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	98.4
A830-0923Adult #15	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-0923Adult #15	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0924Howardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0924Howardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	44.5
A830-0924Howardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-0924Howardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0925Howardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0925Howardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	43.3
A830-0925Howardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-0925Howardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0926Howardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	597
A830-0926Howardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	64.7
A830-0926Howardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-0926Howardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0927Howardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	859
A830-0927Howardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	146
A830-0927Howardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-0927Howardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	
A830-0928Howardsvi	9/25/2014 2014_DEC_Fish_ICPMS Tot.ug/kg dry wt	
A830-0928Howardsvi	9/25/2014 2014_DEC_Fish_ICPOE Tot.mg/kg dry	72.6
A830-0928Howardsvi	9/25/2014 2014_DEC_Fish_Solids, Dry% by Weight	
A830-0928Howardsvi	9/25/2014 2014_DEC_Fish_TM_Mercumg/kg dry wt	

Cadmium	Calcium	Chloride	Chromium	Copper	Dissolved	(Dissolved (Flow	Fluoride	Iron
414			478	8040				160
	139							
347			440	5790				57.9
	109							
545			703	19500				73.4
	94.5							
1160			834	18000				986
	158							
204			649	11500				1190
	98.8							
281			610	9980				847
	162							
235			978	4520				105
	74.3							
156			550	1800				40.8
	149							
667			641	2820				62.4
	153							
478			615	5280				156
	124							
864			425	15100				112
	160							
2490			7970	46900				
7960			7700	170000				
19200			5190	193000				
8370			5280	143000				
1050			5240	80600				

1180		4310	157000	
1120	14000	3820	10300	71
1320	18300	3380	11100	77
716	15200	3430	7870	44.8
509	15300	3860	6100	92.8
1330	17700	3740	11700	115
935	13700	3790	14000	150
884	15100	3700	10000	68.7
737	16500	3510	12600	264
1260	17300	3530	13200	104
697	15800	3680	6750	37.6
1220	17600	2590	6310	66.7

945		3670	11300	
	14500			125
583		3550	6930	
	16400			60.8
1070		3060	14200	
	14800			201
1110		3430	16900	
	16700			56.8
1010		3640	12100	
	14900			64.6
1060		3200	12500	
	18200			43.8
742		3080	13900	
	14100			74.7
836		3120	20100	
	11700			98.5
1670		3350	15600	
	20300			85.7

Lead	Magnesium	Manganese	Nickel	pH	Potassium	Selenium	Silver	Sodium	Specific Gravity
5670	105	66.6		135	843		202	409	
2630	88.9	31.2		70.4	891		256	473	
5250	108	25.6			1190			552	
7570	146	60.5		155	1260		265	669	
2270	108	17.3			1190			614	
2020	96.3	32.6		173	818			469	
689	81.8	50.6			1040			560	
	93.7	37.5		267	850			450	
38.6	138	17		682	1070		504	535	
761	111	76.6		477	1230			662	
5570	69.8	88.2		128	622			330	
4820							2370		
323000							1250		
124000							1990		
400000							1860		
75000							1710		

146000

1780			817		2550	
	1160	26.7		15700		3780
1920			617		2750	
	1200	41.6		15700		3800
1280			731		2030	
	1170	23.4		14800		3940
2760			759		1760	
	1200	25.7		15400		3720
3240			529		2150	
	1270	47.2		16400		4270
3760			906		1690	
	1220	48.3		16400		4370
1730			588		1570	
	1190	30.5		15300		3700
5030			771		1720	
	1240	47.3		16900		4080
3800			797		2390	
	1190	38		15600		3900
709			884		1840	
	1200	16.3		16500		3940
2390			2060		1390	
	1130	35.6		13700		3080

4480	1270	45.5	1610	14000	2500	3210
3870	1110	39.9	1200	14600	2130	3310
9750	1150	156	1390	16100	1600	3820
1480	1130	25.7	1050	12700	4240	3060
2180	1050	39.6	8230	14400	2300	3560
1320	1090	38.4	828	13400	3090	2970
4270	1100	29.5	634	15100	1770	3510
3670	1040	25.3	713	14600	2530	3140
2240	1140	45.1	550	14700	2840	3410

Soil EC	As	Temp	Total Org	Zinc	% Solids	ACIDITY	Antimony	Barium	Cobalt	Hardness
								1280	166	
				111						
								639	51.6	
				99.8						
								735	60	
				108						
								4190	174	
				240						
								1720	127	
				49.9						
								1790	193	
				59.3						
								2050	446	
				56.2						
								2280	749	
				34.4						
								2400	2410	
				58.4						
								2120	669	
				106						
								1340	174	
				145						
				1220000						
					17.4					
				2070000						
					23.3					
				7790000						
					19.6					
				2140000						
					33.8					
				192000						



	29.7		
268000	27.5		
		546	
244	22.6		
		565	103
247	22.4		
		527	
192	21.9		
		612	
137	22.8		
		847	111
228	21.9		
		829	
212	21.4		
		674	122
233	21.9		
		805	131
202	21.3		
		924	128
291	22.9		
166	22.1		
		730	121
153	26.1		

		1190	162
174	25.8		
			122
139	26.2		
		1560	197
262	23.9		
		535	106
298	27.2		
		907	123
175	25.8		
		606	98.2
318	27.3		
		581	
163	24.9		
		704	107
155	25.5		
		624	144
184	26.4		

Mercury Nitrate as N Nitrate/Nit Nitrite as N Strontium Thallium Total Alkal TOTAL DIS TOTAL SUS Vanadium

1.6

1.3

1.5

5.1

1.3

2.2

0.9

0.9

1.2

1.3

1.7

0.03

0.08

0.04

	34.7
	43.8
0.036	
	36.8
	38.3
0.064	
	42.8
	35.4
	37.6
	40.3
	43.3
0.028	
	39.5
	47
0.034	

	36.9	597
0.23		
	36	585
0.615		
	39.4	
0.308		
	38.9	
0.3		
	38.8	
0.631		
	47.5	
0.054		
	35.6	
0.96		
	27.3	
0.188		
	47.1	
0.049		

Ammonia as N







Samp_No	Location	SampleDate	EventID	Analysis	Result_Uni	Aluminum	Arsenic	Beryllium
A830-0209A56		10/22/2012	2012_OCT_TOXDM-Hardn	mg/L				
A830-0209A56		10/22/2012	2012_OCT_TOXDOC_Dissc	mg/L				
A830-0209A56		10/22/2012	2012_OCT_TOXICPMS Diss	ug/L				
A830-0209A56		10/22/2012	2012_OCT_TOXICPMS Tot.	ug/L				
A830-0209A56		10/22/2012	2012_OCT_TOXICPOE Diss	ug/L	29.9			
A830-0209A56		10/22/2012	2012_OCT_TOXICPOE Tot.	ug/L				
A830-0209A56		10/22/2012	2012_OCT_TOXWC - Alkali	mg CaCO3 / L				
A830-0209A56		10/22/2012	2012_OCT_TOXWC - Ani	ormg/L				
A830-021CA68		10/22/2012	2012_OCT_TOXDM-Hardn	mg/L				
A830-021CA68		10/22/2012	2012_OCT_TOXDOC_Dissc	mg/L				
A830-021CA68		10/22/2012	2012_OCT_TOXICPMS Diss	ug/L				
A830-021CA68		10/22/2012	2012_OCT_TOXICPMS Tot.	ug/L				
A830-021CA68		10/22/2012	2012_OCT_TOXICPOE Diss	ug/L	51.6			
A830-021CA68		10/22/2012	2012_OCT_TOXICPOE Tot.	ug/L	62.9			
A830-021CA68		10/22/2012	2012_OCT_TOXWC - Alkali	mg CaCO3 / L				
A830-021CA68		10/22/2012	2012_OCT_TOXWC - Ani	ormg/L				
A830-0211A72		10/22/2012	2012_OCT_TOXDM-Hardn	mg/L				
A830-0211A72		10/22/2012	2012_OCT_TOXDOC_Dissc	mg/L				
A830-0211A72		10/22/2012	2012_OCT_TOXICPMS Diss	ug/L				
A830-0211A72		10/22/2012	2012_OCT_TOXICPMS Tot.	ug/L			2.62	
A830-0211A72		10/22/2012	2012_OCT_TOXICPOE Diss	ug/L	753			
A830-0211A72		10/22/2012	2012_OCT_TOXICPOE Tot.	ug/L	3730			
A830-0211A72		10/22/2012	2012_OCT_TOXWC - Alkali	mg CaCO3 / L				
A830-0211A72		10/22/2012	2012_OCT_TOXWC - Ani	ormg/L				
A830-0212A73B		10/22/2012	2012_OCT_TOXDM-Hardn	mg/L				
A830-0212A73B		10/22/2012	2012_OCT_TOXDOC_Dissc	mg/L				
A830-0212A73B		10/22/2012	2012_OCT_TOXICPMS Diss	ug/L				
A830-0212A73B		10/22/2012	2012_OCT_TOXICPMS Tot.	ug/L				
A830-0212A73B		10/22/2012	2012_OCT_TOXICPOE Diss	ug/L	321			
A830-0212A73B		10/22/2012	2012_OCT_TOXICPOE Tot.	ug/L	2450			
A830-0212A73B		10/22/2012	2012_OCT_TOXWC - Alkali	mg CaCO3 / L				
A830-0212A73B		10/22/2012	2012_OCT_TOXWC - Ani	ormg/L				
A830-0213A75B		10/22/2012	2012_OCT_TOXDM-Hardn	mg/L				
A830-0213A75B		10/22/2012	2012_OCT_TOXDOC_Dissc	mg/L				
A830-0213A75B		10/22/2012	2012_OCT_TOXICPMS Diss	ug/L				
A830-0213A75B		10/22/2012	2012_OCT_TOXICPMS Tot.	ug/L				
A830-0213A75B		10/22/2012	2012_OCT_TOXICPOE Diss	ug/L				
A830-0213A75B		10/22/2012	2012_OCT_TOXICPOE Tot.	ug/L	1560			
A830-0213A75B		10/22/2012	2012_OCT_TOXWC - Alkali	mg CaCO3 / L				
A830-0213A75B		10/22/2012	2012_OCT_TOXWC - Ani	ormg/L				
A830-0214Bbridge		10/22/2012	2012_OCT_TOXDM-Hardn	mg/L				
A830-0214Bbridge		10/22/2012	2012_OCT_TOXDOC_Dissc	mg/L				
A830-0214Bbridge		10/22/2012	2012_OCT_TOXICPMS Diss	ug/L				
A830-0214Bbridge		10/22/2012	2012_OCT_TOXICPMS Tot.	ug/L				
A830-0214Bbridge		10/22/2012	2012_OCT_TOXICPOE Diss	ug/L				
A830-0214Bbridge		10/22/2012	2012_OCT_TOXICPOE Tot.	ug/L	285			

A830-0214Bbridge	10/22/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0214Bbridge	10/22/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0215CC48	10/22/2012 2012_OCT_TOXDM-Hardn mg/L	
A830-0215CC48	10/22/2012 2012_OCT_TOXDOC_Disscmg/L	
A830-0215CC48	10/22/2012 2012_OCT_TOXICPMS Dissug/L	
A830-0215CC48	10/22/2012 2012_OCT_TOXICPMS Tot.ug/L	
A830-0215CC48	10/22/2012 2012_OCT_TOXICPOE Dissug/L	7960
A830-0215CC48	10/22/2012 2012_OCT_TOXICPOE Tot. ug/L	7390
A830-0215CC48	10/22/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0215CC48	10/22/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0219M34	10/22/2012 2012_OCT_TOXDM-Hardn mg/L	
A830-0219M34	10/22/2012 2012_OCT_TOXDOC_Disscmg/L	
A830-0219M34	10/22/2012 2012_OCT_TOXICPMS Dissug/L	
A830-0219M34	10/22/2012 2012_OCT_TOXICPMS Tot.ug/L	
A830-0219M34	10/22/2012 2012_OCT_TOXICPOE Dissug/L	834
A830-0219M34	10/22/2012 2012_OCT_TOXICPOE Tot. ug/L	3900
A830-0219M34	10/22/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0219M34	10/22/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0234A56	10/26/2012 2012_OCT_TOXDM-Hardn mg/L	
A830-0234A56	10/26/2012 2012_OCT_TOXDOC_Disscmg/L	
A830-0234A56	10/26/2012 2012_OCT_TOXICPMS Dissug/L	
A830-0234A56	10/26/2012 2012_OCT_TOXICPMS Tot.ug/L	
A830-0234A56	10/26/2012 2012_OCT_TOXICPOE Dissug/L	21.5
A830-0234A56	10/26/2012 2012_OCT_TOXICPOE Tot. ug/L	38.9
A830-0234A56	10/26/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0234A56	10/26/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0235A68	10/26/2012 2012_OCT_TOXDM-Hardn mg/L	
A830-0235A68	10/26/2012 2012_OCT_TOXDOC_Disscmg/L	
A830-0235A68	10/26/2012 2012_OCT_TOXICPMS Dissug/L	
A830-0235A68	10/26/2012 2012_OCT_TOXICPMS Tot.ug/L	
A830-0235A68	10/26/2012 2012_OCT_TOXICPOE Dissug/L	34.6
A830-0235A68	10/26/2012 2012_OCT_TOXICPOE Tot. ug/L	72.7
A830-0235A68	10/26/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0235A68	10/26/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0236A72	10/25/2012 2012_OCT_TOXDM-Hardn mg/L	
A830-0236A72	10/25/2012 2012_OCT_TOXDOC_Disscmg/L	
A830-0236A72	10/25/2012 2012_OCT_TOXICPMS Dissug/L	
A830-0236A72	10/25/2012 2012_OCT_TOXICPMS Tot.ug/L	
A830-0236A72	10/25/2012 2012_OCT_TOXICPOE Dissug/L	560
A830-0236A72	10/25/2012 2012_OCT_TOXICPOE Tot. ug/L	831
A830-0236A72	10/25/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0236A72	10/25/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0237A73B	10/26/2012 2012_OCT_TOXDM-Hardn mg/L	
A830-0237A73B	10/26/2012 2012_OCT_TOXDOC_Disscmg/L	
A830-0237A73B	10/26/2012 2012_OCT_TOXICPMS Dissug/L	
A830-0237A73B	10/26/2012 2012_OCT_TOXICPMS Tot.ug/L	
A830-0237A73B	10/26/2012 2012_OCT_TOXICPOE Dissug/L	62.2

A830-0237A73B	10/26/2012 2012_OCT_TOXICPOE Tot. ug/L	568
A830-0237A73B	10/26/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0237A73B	10/26/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0238A75B	10/26/2012 2012_OCT_TOXDM-Hardn mg/L	
A830-0238A75B	10/26/2012 2012_OCT_TOXDOC_Disscmg/L	
A830-0238A75B	10/26/2012 2012_OCT_TOXICPMS Dissug/L	
A830-0238A75B	10/26/2012 2012_OCT_TOXICPMS Tot.ug/L	
A830-0238A75B	10/26/2012 2012_OCT_TOXICPOE Dissug/L	
A830-0238A75B	10/26/2012 2012_OCT_TOXICPOE Tot. ug/L	557
A830-0238A75B	10/26/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0238A75B	10/26/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0239Bbridge	10/26/2012 2012_OCT_TOXDM-Hardn mg/L	
A830-0239Bbridge	10/26/2012 2012_OCT_TOXDOC_Disscmg/L	
A830-0239Bbridge	10/26/2012 2012_OCT_TOXICPMS Dissug/L	
A830-0239Bbridge	10/26/2012 2012_OCT_TOXICPMS Tot.ug/L	
A830-0239Bbridge	10/26/2012 2012_OCT_TOXICPOE Dissug/L	
A830-0239Bbridge	10/26/2012 2012_OCT_TOXICPOE Tot. ug/L	147
A830-0239Bbridge	10/26/2012 2012_OCT_TOXWC - Alkalimg CaCO3 / L	
A830-0239Bbridge	10/26/2012 2012_OCT_TOXWC - Aniormg/L	
A830-0258A68	11/2/2012 2012_NOV_TOXDM-Hardn mg/L	
A830-0258A68	11/2/2012 2012_NOV_TOXDOC_Disscmg/L	
A830-0258A68	11/2/2012 2012_NOV_TOXICPMS Dissug/L	
A830-0258A68	11/2/2012 2012_NOV_TOXICPMS Tot.ug/L	
A830-0258A68	11/2/2012 2012_NOV_TOXICPOE Dissug/L	55.5
A830-0258A68	11/2/2012 2012_NOV_TOXICPOE Tot. ug/L	102
A830-0258A68	11/2/2012 2012_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0258A68	11/2/2012 2012_NOV_TOXWC - Aniormg/L	
A830-028CA72	11/2/2012 2012_NOV_TOXDM-Hardn mg/L	
A830-028CA72	11/2/2012 2012_NOV_TOXDOC_Disscmg/L	
A830-028CA72	11/2/2012 2012_NOV_TOXICPMS Dissug/L	
A830-028CA72	11/2/2012 2012_NOV_TOXICPMS Tot.ug/L	
A830-028CA72	11/2/2012 2012_NOV_TOXICPOE Dissug/L	965
A830-028CA72	11/2/2012 2012_NOV_TOXICPOE Tot. ug/L	3420
A830-028CA72	11/2/2012 2012_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-028CA72	11/2/2012 2012_NOV_TOXWC - Aniormg/L	
A830-0281CC48	11/2/2012 2012_NOV_TOXDM-Hardn mg/L	
A830-0281CC48	11/2/2012 2012_NOV_TOXDOC_Disscmg/L	
A830-0281CC48	11/2/2012 2012_NOV_TOXICPMS Dissug/L	
A830-0281CC48	11/2/2012 2012_NOV_TOXICPMS Tot.ug/L	2.73
A830-0281CC48	11/2/2012 2012_NOV_TOXICPOE Dissug/L	7700
A830-0281CC48	11/2/2012 2012_NOV_TOXICPOE Tot. ug/L	8080
A830-0281CC48	11/2/2012 2012_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0281CC48	11/2/2012 2012_NOV_TOXWC - Aniormg/L	
A830-0283M34	11/2/2012 2012_NOV_TOXDM-Hardn mg/L	
A830-0283M34	11/2/2012 2012_NOV_TOXDOC_Disscmg/L	
A830-0283M34	11/2/2012 2012_NOV_TOXICPMS Dissug/L	

A830-0283M34	11/2/2012 2012_NOV_TOXICPMS Tot.ug/L		
A830-0283M34	11/2/2012 2012_NOV_TOXICPOE Dissug/L	1200	
A830-0283M34	11/2/2012 2012_NOV_TOXICPOE Tot. ug/L	4560	
A830-0283M34	11/2/2012 2012_NOV_TOXWC - Alkalimg CaCO3 / L		
A830-0283M34	11/2/2012 2012_NOV_TOXWC - Aniormg/L		
A830-029CA68	11/6/2012 2012_NOV_TOXDM-Hardnmg/L		
A830-029CA68	11/6/2012 2012_NOV_TOXDOC_Disscmg/L		
A830-029CA68	11/6/2012 2012_NOV_TOXICPMS Dissug/L		
A830-029CA68	11/6/2012 2012_NOV_TOXICPMS Tot.ug/L		
A830-029CA68	11/6/2012 2012_NOV_TOXICPOE Dissug/L	43.9	
A830-029CA68	11/6/2012 2012_NOV_TOXICPOE Tot. ug/L	84.4	
A830-029CA68	11/6/2012 2012_NOV_TOXWC - Alkalimg CaCO3 / L		
A830-029CA68	11/6/2012 2012_NOV_TOXWC - Aniormg/L		
A830-0313M34	11/5/2012 2012_NOV_TOXDM-Hardnmg/L		
A830-0313M34	11/5/2012 2012_NOV_TOXDOC_Disscmg/L		
A830-0313M34	11/5/2012 2012_NOV_TOXICPMS Dissug/L		
A830-0313M34	11/5/2012 2012_NOV_TOXICPMS Tot.ug/L		
A830-0313M34	11/5/2012 2012_NOV_TOXICPOE Dissug/L	248	
A830-0313M34	11/5/2012 2012_NOV_TOXICPOE Tot. ug/L	396	
A830-0313M34	11/5/2012 2012_NOV_TOXWC - Alkalimg CaCO3 / L		
A830-0313M34	11/5/2012 2012_NOV_TOXWC - Aniormg/L		
A830-032CA56	12/10/2012 2012_DEC_TOX DM-Hardnmg/L		
A830-032CA56	12/10/2012 2012_DEC_TOX ICPMS Dissug/L	1.93	
A830-032CA56	12/10/2012 2012_DEC_TOX ICPOE Dissug/L	57.1	
A830-0321A68	12/10/2012 2012_DEC_TOX DM-Hardnmg/L		
A830-0321A68	12/10/2012 2012_DEC_TOX ICPMS Dissug/L	3.77	
A830-0321A68	12/10/2012 2012_DEC_TOX ICPOE Dissug/L	146	
A830-0322A72	12/10/2012 2012_DEC_TOX DM-Hardnmg/L		
A830-0322A72	12/10/2012 2012_DEC_TOX ICPMS Dissug/L		
A830-0322A72	12/10/2012 2012_DEC_TOX ICPOE Dissug/L	27.6	
A830-0323A73B	12/10/2012 2012_DEC_TOX DM-Hardnmg/L		
A830-0323A73B	12/10/2012 2012_DEC_TOX ICPMS Dissug/L		
A830-0323A73B	12/10/2012 2012_DEC_TOX ICPOE Dissug/L	48.2	
A830-0324A75B	12/10/2012 2012_DEC_TOX DM-Hardnmg/L		
A830-0324A75B	12/10/2012 2012_DEC_TOX ICPMS Dissug/L	1.14	
A830-0324A75B	12/10/2012 2012_DEC_TOX ICPOE Dissug/L	47.8	
A830-0325Bbridge	12/10/2012 2012_DEC_TOX DM-Hardnmg/L		
A830-0325Bbridge	12/10/2012 2012_DEC_TOX ICPMS Dissug/L	0.802	
A830-0325Bbridge	12/10/2012 2012_DEC_TOX ICPOE Dissug/L	79.3	
A830-0326CC-49	12/10/2012 2012_DEC_TOX DM-Hardnmg/L		
A830-0326CC-49	12/10/2012 2012_DEC_TOX ICPMS Dissug/L		
A830-0326CC-49	12/10/2012 2012_DEC_TOX ICPOE Dissug/L	1120	
A830-0329M-34	12/10/2012 2012_DEC_TOX DM-Hardnmg/L		
A830-0329M-34	12/10/2012 2012_DEC_TOX ICPMS Dissug/L	0.559	
A830-0329M-34	12/10/2012 2012_DEC_TOX ICPOE Dissug/L	38.8	
A830-033CA56	10/7/2012 2012_DEC_TOX ICPMS Tot.ug/kg dry wt	79600	
A830-033CA56	10/7/2012 2012_DEC_TOX ICPOE Tot. mg/kg dry	9790	2.76

A830-0331A68	10/7/2012 2012_DEC_TOX IC PMS Tot.ug/kg dry wt	82400	
A830-0331A68	10/7/2012 2012_DEC_TOX IC POE Tot. mg/kg dry	14500	5.14
A830-0332A72	10/7/2012 2012_DEC_TOX IC PMS Tot.ug/kg dry wt	45600	
A830-0332A72	10/7/2012 2012_DEC_TOX IC POE Tot. mg/kg dry	24800	
A830-0333A73B	10/7/2012 2012_DEC_TOX IC PMS Tot.ug/kg dry wt	29100	
A830-0333A73B	10/7/2012 2012_DEC_TOX IC POE Tot. mg/kg dry	17200	
A830-0334A75B	10/7/2012 2012_DEC_TOX IC PMS Tot.ug/kg dry wt	37500	
A830-0334A75B	10/7/2012 2012_DEC_TOX IC POE Tot. mg/kg dry	47400	5.63
A830-0335Bbridge	10/7/2012 2012_DEC_TOX IC PMS Tot.ug/kg dry wt	40200	
A830-0335Bbridge	10/7/2012 2012_DEC_TOX IC POE Tot. mg/kg dry	44800	5.72
A830-0336CC-49	10/7/2012 2012_DEC_TOX IC PMS Tot.ug/kg dry wt	66700	
A830-0336CC-49	10/7/2012 2012_DEC_TOX IC POE Tot. mg/kg dry	4140	
A830-0339M-34	10/7/2012 2012_DEC_TOX IC PMS Tot.ug/kg dry wt	21000	
A830-0339M-34	10/7/2012 2012_DEC_TOX IC POE Tot. mg/kg dry	32800	
A830-0345A56	12/10/2012 2012_DEC_TOX DM-Hardn mg/L		
A830-0345A56	12/10/2012 2012_DEC_TOX IC PMS Dissug/L	0.917	
A830-0345A56	12/10/2012 2012_DEC_TOX IC PMS Tot.ug/L		
A830-0345A56	12/10/2012 2012_DEC_TOX IC POE Dissug/L		
A830-0345A56	12/10/2012 2012_DEC_TOX IC POE Tot. ug/L	131	
A830-0346A68	12/10/2012 2012_DEC_TOX DM-Hardn mg/L		
A830-0346A68	12/10/2012 2012_DEC_TOX IC PMS Dissug/L	3.7	
A830-0346A68	12/10/2012 2012_DEC_TOX IC PMS Tot.ug/L		
A830-0346A68	12/10/2012 2012_DEC_TOX IC POE Dissug/L	83.6	
A830-0346A68	12/10/2012 2012_DEC_TOX IC POE Tot. ug/L	150	
A830-0347A72	12/10/2012 2012_DEC_TOX DM-Hardn mg/L		
A830-0347A72	12/10/2012 2012_DEC_TOX IC PMS Dissug/L		
A830-0347A72	12/10/2012 2012_DEC_TOX IC PMS Tot.ug/L		
A830-0347A72	12/10/2012 2012_DEC_TOX IC POE Dissug/L	33	
A830-0347A72	12/10/2012 2012_DEC_TOX IC POE Tot. ug/L	209	
A830-0348A73B	12/10/2012 2012_DEC_TOX DM-Hardn mg/L		
A830-0348A73B	12/10/2012 2012_DEC_TOX IC PMS Dissug/L		
A830-0348A73B	12/10/2012 2012_DEC_TOX IC PMS Tot.ug/L		
A830-0348A73B	12/10/2012 2012_DEC_TOX IC POE Dissug/L	38.2	
A830-0348A73B	12/10/2012 2012_DEC_TOX IC POE Tot. ug/L	81.7	
A830-0349A75B	12/10/2012 2012_DEC_TOX DM-Hardn mg/L		
A830-0349A75B	12/10/2012 2012_DEC_TOX IC PMS Dissug/L	0.938	
A830-0349A75B	12/10/2012 2012_DEC_TOX IC PMS Tot.ug/L		
A830-0349A75B	12/10/2012 2012_DEC_TOX IC POE Dissug/L	42.4	
A830-0349A75B	12/10/2012 2012_DEC_TOX IC POE Tot. ug/L	125	
A830-035CBbridge	12/10/2012 2012_DEC_TOX DM-Hardn mg/L		
A830-035CBbridge	12/10/2012 2012_DEC_TOX IC PMS Dissug/L	0.657	
A830-035CBbridge	12/10/2012 2012_DEC_TOX IC PMS Tot.ug/L		
A830-035CBbridge	12/10/2012 2012_DEC_TOX IC POE Dissug/L	40.1	
A830-035CBbridge	12/10/2012 2012_DEC_TOX IC POE Tot. ug/L	110	
A830-0351CC-49	12/10/2012 2012_DEC_TOX DM-Hardn mg/L		
A830-0351CC-49	12/10/2012 2012_DEC_TOX IC PMS Dissug/L		
A830-0351CC-49	12/10/2012 2012_DEC_TOX IC PMS Tot.ug/L		

A830-0351CC-49	12/10/2012 2012_DEC_TOX ICPOE Diss ug/L	1100	
A830-0351CC-49	12/10/2012 2012_DEC_TOX ICPOE Tot. ug/L	1170	
A830-0354M-34	12/10/2012 2012_DEC_TOX DM-Hardn mg/L		
A830-0354M-34	12/10/2012 2012_DEC_TOX ICPMS Diss ug/L		
A830-0354M-34	12/10/2012 2012_DEC_TOX ICPMS Tot. ug/L		
A830-0354M-34	12/10/2012 2012_DEC_TOX ICPOE Diss ug/L	69.3	
A830-0354M-34	12/10/2012 2012_DEC_TOX ICPOE Tot. ug/L	651	
A830-0361A56	12/19/2012 2013_JAN_TOX DM-Hardn mg/L		
A830-0361A56	12/19/2012 2013_JAN_TOX ICPMS Diss ug/L		0.633
A830-0361A56	12/19/2012 2013_JAN_TOX ICPMS Tot. ug/L		
A830-0361A56	12/19/2012 2013_JAN_TOX ICPOE Diss ug/L		
A830-0361A56	12/19/2012 2013_JAN_TOX ICPOE Tot. ug/L		
A830-0362A68	12/19/2012 2013_JAN_TOX DM-Hardn mg/L		
A830-0362A68	12/19/2012 2013_JAN_TOX ICPMS Diss ug/L		1.13
A830-0362A68	12/19/2012 2013_JAN_TOX ICPMS Tot. ug/L		
A830-0362A68	12/19/2012 2013_JAN_TOX ICPOE Diss ug/L		
A830-0362A68	12/19/2012 2013_JAN_TOX ICPOE Tot. ug/L	30.7	
A830-0363A72	12/19/2012 2013_JAN_TOX DM-Hardn mg/L		
A830-0363A72	12/19/2012 2013_JAN_TOX ICPMS Diss ug/L		
A830-0363A72	12/19/2012 2013_JAN_TOX ICPMS Tot. ug/L		
A830-0363A72	12/19/2012 2013_JAN_TOX ICPOE Diss ug/L	25.7	
A830-0363A72	12/19/2012 2013_JAN_TOX ICPOE Tot. ug/L	159	
A830-0364A73B	12/19/2012 2013_JAN_TOX DM-Hardn mg/L		
A830-0364A73B	12/19/2012 2013_JAN_TOX ICPMS Diss ug/L		
A830-0364A73B	12/19/2012 2013_JAN_TOX ICPMS Tot. ug/L		
A830-0364A73B	12/19/2012 2013_JAN_TOX ICPOE Diss ug/L	23.2	
A830-0364A73B	12/19/2012 2013_JAN_TOX ICPOE Tot. ug/L	63	
A830-0365A75B	12/19/2012 2013_JAN_TOX DM-Hardn mg/L		
A830-0365A75B	12/19/2012 2013_JAN_TOX ICPMS Diss ug/L		
A830-0365A75B	12/19/2012 2013_JAN_TOX ICPMS Tot. ug/L		
A830-0365A75B	12/19/2012 2013_JAN_TOX ICPOE Diss ug/L		
A830-0365A75B	12/19/2012 2013_JAN_TOX ICPOE Tot. ug/L	28.5	
A830-0366Bbridge	12/19/2012 2013_JAN_TOX DM-Hardn mg/L		
A830-0366Bbridge	12/19/2012 2013_JAN_TOX ICPMS Diss ug/L		
A830-0366Bbridge	12/19/2012 2013_JAN_TOX ICPMS Tot. ug/L		
A830-0366Bbridge	12/19/2012 2013_JAN_TOX ICPOE Diss ug/L		
A830-0366Bbridge	12/19/2012 2013_JAN_TOX ICPOE Tot. ug/L	39.4	
A830-0367CC-49	12/19/2012 2013_JAN_TOX DM-Hardn mg/L		
A830-0367CC-49	12/19/2012 2013_JAN_TOX ICPMS Diss ug/L		
A830-0367CC-49	12/19/2012 2013_JAN_TOX ICPMS Tot. ug/L		
A830-0367CC-49	12/19/2012 2013_JAN_TOX ICPOE Diss ug/L		
A830-0367CC-49	12/19/2012 2013_JAN_TOX ICPOE Tot. ug/L	97.8	
A830-037CM-34	12/19/2012 2013_JAN_TOX DM-Hardn mg/L		
A830-037CM-34	12/19/2012 2013_JAN_TOX ICPMS Diss ug/L		
A830-037CM-34	12/19/2012 2013_JAN_TOX ICPMS Tot. ug/L		
A830-037CM-34	12/19/2012 2013_JAN_TOX ICPOE Diss ug/L		
A830-037CM-34	12/19/2012 2013_JAN_TOX ICPOE Tot. ug/L	26.1	

A830-0373A68	4/18/2013 2013_APR_TOX DM-Hardn mg/L	
A830-0373A68	4/18/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0373A68	4/18/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0373A68	4/18/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0373A68	4/18/2013 2013_APR_TOX ICPOE Dissug/L	38.5
A830-0373A68	4/18/2013 2013_APR_TOX ICPOE Tot. ug/L	317
A830-0373A68	4/18/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0373A68	4/18/2013 2013_APR_TOX WC - Aniormg/L	
A830-0382A72	4/18/2013 2013_APR_TOX DM-Hardn mg/L	
A830-0382A72	4/18/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0382A72	4/18/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0382A72	4/18/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0382A72	4/18/2013 2013_APR_TOX ICPOE Dissug/L	694
A830-0382A72	4/18/2013 2013_APR_TOX ICPOE Tot. ug/L	2690
A830-0382A72	4/18/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0382A72	4/18/2013 2013_APR_TOX WC - Aniormg/L	
A830-0383A73	4/18/2013 2013_APR_TOX DM-Hardn mg/L	
A830-0383A73	4/18/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0383A73	4/18/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0383A73	4/18/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0383A73	4/18/2013 2013_APR_TOX ICPOE Dissug/L	187
A830-0383A73	4/18/2013 2013_APR_TOX ICPOE Tot. ug/L	2220
A830-0383A73	4/18/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0383A73	4/18/2013 2013_APR_TOX WC - Aniormg/L	
A830-0384A73B	4/18/2013 2013_APR_TOX DM-Hardn mg/L	
A830-0384A73B	4/18/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0384A73B	4/18/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0384A73B	4/18/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0384A73B	4/18/2013 2013_APR_TOX ICPOE Dissug/L	145
A830-0384A73B	4/18/2013 2013_APR_TOX ICPOE Tot. ug/L	1930
A830-0384A73B	4/18/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0384A73B	4/18/2013 2013_APR_TOX WC - Aniormg/L	
A830-0385A75B	4/18/2013 2013_APR_TOX DM-Hardn mg/L	
A830-0385A75B	4/18/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0385A75B	4/18/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0385A75B	4/18/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0385A75B	4/18/2013 2013_APR_TOX ICPOE Dissug/L	24.3
A830-0385A75B	4/18/2013 2013_APR_TOX ICPOE Tot. ug/L	1230
A830-0385A75B	4/18/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0385A75B	4/18/2013 2013_APR_TOX WC - Aniormg/L	
A830-0398M34	4/19/2013 2013_APR_TOX DM-Hardn mg/L	
A830-0398M34	4/19/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0398M34	4/19/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0398M34	4/19/2013 2013_APR_TOX ICPMS Tot.ug/L	

A830-0398M34	4/19/2013 2013_APR_TOX ICPOE Dissug/L	887
A830-0398M34	4/19/2013 2013_APR_TOX ICPOE Tot.ug/L	3290
A830-0398M34	4/19/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0398M34	4/19/2013 2013_APR_TOX WC - Aniormg/L	
A830-0405A68	4/22/2013 2013_APR_TOX DM-Hardnmg/L	
A830-0405A68	4/22/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0405A68	4/22/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0405A68	4/22/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0405A68	4/22/2013 2013_APR_TOX ICPOE Dissug/L	41.3
A830-0405A68	4/22/2013 2013_APR_TOX ICPOE Tot.ug/L	150
A830-0405A68	4/22/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0405A68	4/22/2013 2013_APR_TOX WC - Aniormg/L	
A830-0414A72	4/21/2013 2013_APR_TOX DM-Hardnmg/L	
A830-0414A72	4/21/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0414A72	4/21/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0414A72	4/21/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0414A72	4/21/2013 2013_APR_TOX ICPOE Dissug/L	562
A830-0414A72	4/21/2013 2013_APR_TOX ICPOE Tot.ug/L	710
A830-0414A72	4/21/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0414A72	4/21/2013 2013_APR_TOX WC - Aniormg/L	
A830-0415A73	4/22/2013 2013_APR_TOX DM-Hardnmg/L	
A830-0415A73	4/22/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0415A73	4/22/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0415A73	4/22/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0415A73	4/22/2013 2013_APR_TOX ICPOE Dissug/L	35.1
A830-0415A73	4/22/2013 2013_APR_TOX ICPOE Tot.ug/L	1030
A830-0415A73	4/22/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0415A73	4/22/2013 2013_APR_TOX WC - Aniormg/L	
A830-0416A73B	4/22/2013 2013_APR_TOX DM-Hardnmg/L	
A830-0416A73B	4/22/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0416A73B	4/22/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0416A73B	4/22/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0416A73B	4/22/2013 2013_APR_TOX ICPOE Dissug/L	26.2
A830-0416A73B	4/22/2013 2013_APR_TOX ICPOE Tot.ug/L	1050
A830-0416A73B	4/22/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0416A73B	4/22/2013 2013_APR_TOX WC - Aniormg/L	
A830-0417A75B	4/22/2013 2013_APR_TOX DM-Hardnmg/L	
A830-0417A75B	4/22/2013 2013_APR_TOX DOC_Disscmg/L	
A830-0417A75B	4/22/2013 2013_APR_TOX ICPMS Dissug/L	
A830-0417A75B	4/22/2013 2013_APR_TOX ICPMS Tot.ug/L	
A830-0417A75B	4/22/2013 2013_APR_TOX ICPOE Dissug/L	20
A830-0417A75B	4/22/2013 2013_APR_TOX ICPOE Tot.ug/L	1230
A830-0417A75B	4/22/2013 2013_APR_TOX WC - Alkalimg CaCO3 / L	
A830-0417A75B	4/22/2013 2013_APR_TOX WC - Aniormg/L	
A830-043CM34	4/23/2013 2013_APR_TOX DM-Hardnmg/L	
A830-043CM34	4/23/2013 2013_APR_TOX DOC_Disscmg/L	
A830-043CM34	4/23/2013 2013_APR_TOX ICPMS Dissug/L	



A830-043CM34	4/23/2013 2013_APR_TOXICPMS Tot.ug/L		
A830-043CM34	4/23/2013 2013_APR_TOXICPOE Dissug/L	761	
A830-043CM34	4/23/2013 2013_APR_TOXICPOE Tot.ug/L	2250	
A830-043CM34	4/23/2013 2013_APR_TOXWC - Alkalimg CaCO3 / L		
A830-043CM34	4/23/2013 2013_APR_TOXWC - Aniormg/L		
A830-0827A55	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0827A55	11/10/2014 2014_NOV_TOXDOC_Disscmg/L		
A830-0827A55	11/10/2014 2014_NOV_TOXICPMS Dissug/L		2.51
A830-0827A55	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L		4.41
A830-0827A55	11/10/2014 2014_NOV_TOXICPOE Dissug/L	193	
A830-0827A55	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	3440	2.15
A830-0827A55	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L		
A830-0827A55	11/10/2014 2014_NOV_TOXWC - Aniormg/L		
A830-0828A56	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0828A56	11/10/2014 2014_NOV_TOXDOC_Disscmg/L		
A830-0828A56	11/10/2014 2014_NOV_TOXICPMS Dissug/L		0.593
A830-0828A56	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L		2.95
A830-0828A56	11/10/2014 2014_NOV_TOXICPOE Dissug/L	181	
A830-0828A56	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	2250	
A830-0828A56	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L		
A830-0828A56	11/10/2014 2014_NOV_TOXWC - Aniormg/L		
A830-0829A60	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0829A60	11/10/2014 2014_NOV_TOXDOC_Disscmg/L		
A830-0829A60	11/10/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0829A60	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L		
A830-0829A60	11/10/2014 2014_NOV_TOXICPOE Dissug/L	47.5	
A830-0829A60	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	1510	
A830-0829A60	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L		
A830-0829A60	11/10/2014 2014_NOV_TOXWC - Aniormg/L		
A830-083CA68	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-083CA68	11/10/2014 2014_NOV_TOXDOC_Disscmg/L		
A830-083CA68	11/10/2014 2014_NOV_TOXICPMS Dissug/L		
A830-083CA68	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L		
A830-083CA68	11/10/2014 2014_NOV_TOXICPOE Dissug/L	64.7	
A830-083CA68	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	1780	
A830-083CA68	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L		
A830-083CA68	11/10/2014 2014_NOV_TOXWC - Aniormg/L		
A830-0832A72	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0832A72	11/10/2014 2014_NOV_TOXDOC_Disscmg/L		
A830-0832A72	11/10/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0832A72	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L		3.14
A830-0832A72	11/10/2014 2014_NOV_TOXICPOE Dissug/L	26.2	
A830-0832A72	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	1810	
A830-0832A72	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L		
A830-0832A72	11/10/2014 2014_NOV_TOXWC - Aniormg/L		
A830-0833A73	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		

A830-0833A73	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0833A73	11/10/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0833A73	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0833A73	11/10/2014 2014_NOV_TOXICPOE Dissug/L	23
A830-0833A73	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	1160
A830-0833A73	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0833A73	11/10/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0834A75CC	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0834A75CC	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0834A75CC	11/10/2014 2014_NOV_TOXICPMS Dissug/L	1.23
A830-0834A75CC	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0834A75CC	11/10/2014 2014_NOV_TOXICPOE Dissug/L	50.2
A830-0834A75CC	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	1750
A830-0834A75CC	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0834A75CC	11/10/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0835A75D	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0835A75D	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0835A75D	11/10/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0835A75D	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	4.45
A830-0835A75D	11/10/2014 2014_NOV_TOXICPOE Dissug/L	44.4
A830-0835A75D	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	1440
A830-0835A75D	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0835A75D	11/10/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0836A75EC	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0836A75EC	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0836A75EC	11/10/2014 2014_NOV_TOXICPMS Dissug/L	0.913
A830-0836A75EC	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	2.65
A830-0836A75EC	11/10/2014 2014_NOV_TOXICPOE Dissug/L	249
A830-0836A75EC	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	2680
A830-0836A75EC	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0836A75EC	11/10/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0837Animas@3	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0837Animas@3	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0837Animas@3	11/10/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0837Animas@3	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0837Animas@3	11/10/2014 2014_NOV_TOXICPOE Dissug/L	58
A830-0837Animas@3	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	1810
A830-0837Animas@3	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0837Animas@3	11/10/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0838Animas@L	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0838Animas@L	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0838Animas@L	11/10/2014 2014_NOV_TOXICPMS Dissug/L	0.509
A830-0838Animas@L	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0838Animas@L	11/10/2014 2014_NOV_TOXICPOE Dissug/L	37.8
A830-0838Animas@L	11/10/2014 2014_NOV_TOXICPOE Tot.ug/L	1590
A830-0838Animas@L	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0838Animas@L	11/10/2014 2014_NOV_TOXWC - Aniormg/L	

A830-0839Animas@P	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0839Animas@P	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0839Animas@P	11/10/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0839Animas@P	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0839Animas@P	11/10/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0839Animas@P	11/10/2014 2014_NOV_TOXICPOE Tot. ug/L	2150
A830-0839Animas@P	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0839Animas@P	11/10/2014 2014_NOV_TOXWC - Aniormg/L	
A830-084CBbridge	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-084CBbridge	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-084CBbridge	11/10/2014 2014_NOV_TOXICPMS Dissug/L	
A830-084CBbridge	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	5.06
A830-084CBbridge	11/10/2014 2014_NOV_TOXICPOE Dissug/L	121
A830-084CBbridge	11/10/2014 2014_NOV_TOXICPOE Tot. ug/L	5120
A830-084CBbridge	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-084CBbridge	11/10/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0841James Ran	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0841James Ran	11/10/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0841James Ran	11/10/2014 2014_NOV_TOXICPMS Dissug/L	0.644
A830-0841James Ran	11/10/2014 2014_NOV_TOXICPMS Tot.ug/L	3.31
A830-0841James Ran	11/10/2014 2014_NOV_TOXICPOE Dissug/L	133
A830-0841James Ran	11/10/2014 2014_NOV_TOXICPOE Tot. ug/L	4350
A830-0841James Ran	11/10/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0841James Ran	11/10/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0869A55	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0869A55	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0869A55	11/19/2014 2014_NOV_TOXICPMS Dissug/L	0.572
A830-0869A55	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0869A55	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0869A55	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	33.8
A830-0869A55	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0869A55	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-087CA56	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-087CA56	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-087CA56	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-087CA56	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-087CA56	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-087CA56	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	223
A830-087CA56	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-087CA56	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0871A60	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0871A60	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0871A60	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0871A60	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0871A60	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0871A60	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	21.3

A830-0871A60	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0871A60	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0872A68	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0872A68	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0872A68	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0872A68	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0872A68	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0872A68	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	29.4
A830-0872A68	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0872A68	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0874A72	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0874A72	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0874A72	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0874A72	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0874A72	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0874A72	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	30.3
A830-0874A72	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0874A72	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0875A73	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0875A73	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0875A73	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0875A73	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0875A73	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0875A73	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	24.7
A830-0875A73	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0875A73	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0876A75CC	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0876A75CC	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0876A75CC	11/19/2014 2014_NOV_TOXICPMS Dissug/L	1.33
A830-0876A75CC	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0876A75CC	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0876A75CC	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	
A830-0876A75CC	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0876A75CC	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0877A75D	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0877A75D	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0877A75D	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0877A75D	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0877A75D	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0877A75D	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	25.2
A830-0877A75D	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0877A75D	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0878A75EC	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0878A75EC	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0878A75EC	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0878A75EC	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0878A75EC	11/19/2014 2014_NOV_TOXICPOE Dissug/L	21.4

A830-087&A75EC	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	39.6
A830-087&A75EC	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-087&A75EC	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-087&Animas@3	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-087&Animas@3	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-087&Animas@3	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-087&Animas@3	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-087&Animas@3	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-087&Animas@3	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	21.7
A830-087&Animas@3	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-087&Animas@3	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-088CAnimas@L	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-088CAnimas@L	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-088CAnimas@L	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-088CAnimas@L	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-088CAnimas@L	11/19/2014 2014_NOV_TOXICPOE Dissug/L	27.4
A830-088CAnimas@L	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	63.5
A830-088CAnimas@L	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-088CAnimas@L	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0881Animas@P	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0881Animas@P	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0881Animas@P	11/19/2014 2014_NOV_TOXICPMS Dissug/L	0.7
A830-0881Animas@P	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0881Animas@P	11/19/2014 2014_NOV_TOXICPOE Dissug/L	
A830-0881Animas@P	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	696
A830-0881Animas@P	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0881Animas@P	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0882Bbridge	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0882Bbridge	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0882Bbridge	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0882Bbridge	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0882Bbridge	11/19/2014 2014_NOV_TOXICPOE Dissug/L	39.1
A830-0882Bbridge	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	55.9
A830-0882Bbridge	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0882Bbridge	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0883James Ran	11/19/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0883James Ran	11/19/2014 2014_NOV_TOXDOC_Disscmg/L	
A830-0883James Ran	11/19/2014 2014_NOV_TOXICPMS Dissug/L	
A830-0883James Ran	11/19/2014 2014_NOV_TOXICPMS Tot.ug/L	
A830-0883James Ran	11/19/2014 2014_NOV_TOXICPOE Dissug/L	32.8
A830-0883James Ran	11/19/2014 2014_NOV_TOXICPOE Tot. ug/L	38.9
A830-0883James Ran	11/19/2014 2014_NOV_TOXWC - Alkalimg CaCO3 / L	
A830-0883James Ran	11/19/2014 2014_NOV_TOXWC - Aniormg/L	
A830-0852A55	11/10/2014 2014_NOV_TOXDM-Hardn mg/L	
A830-0852A55	11/10/2014 2014_NOV_TOXICPMS Dissug/L	3.01
A830-0852A55	11/10/2014 2014_NOV_TOXICPOE Dissug/L	101

A830-0853A56	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0853A56	11/10/2014 2014_NOV_TOXICPMS Dissug/L		1.5
A830-0853A56	11/10/2014 2014_NOV_TOXICPOE Dissug/L	136	
A830-0854A60	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0854A60	11/10/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0854A60	11/10/2014 2014_NOV_TOXICPOE Dissug/L	32.4	
A830-0855A68	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0855A68	11/10/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0855A68	11/10/2014 2014_NOV_TOXICPOE Dissug/L	35.6	
A830-0857A72	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0857A72	11/10/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0857A72	11/10/2014 2014_NOV_TOXICPOE Dissug/L	23.9	
A830-0858A73	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0858A73	11/10/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0858A73	11/10/2014 2014_NOV_TOXICPOE Dissug/L	24.4	
A830-0859A75CC	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0859A75CC	11/10/2014 2014_NOV_TOXICPMS Dissug/L		2.45
A830-0859A75CC	11/10/2014 2014_NOV_TOXICPOE Dissug/L	42.9	
A830-086CA75D	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-086CA75D	11/10/2014 2014_NOV_TOXICPMS Dissug/L		
A830-086CA75D	11/10/2014 2014_NOV_TOXICPOE Dissug/L	28	
A830-0861A75EC	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0861A75EC	11/10/2014 2014_NOV_TOXICPMS Dissug/L		2.92
A830-0861A75EC	11/10/2014 2014_NOV_TOXICPOE Dissug/L	137	
A830-0862Animas@3	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0862Animas@3	11/10/2014 2014_NOV_TOXICPMS Dissug/L		0.964
A830-0862Animas@3	11/10/2014 2014_NOV_TOXICPOE Dissug/L	56.9	
A830-0863Animas@L	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0863Animas@L	11/10/2014 2014_NOV_TOXICPMS Dissug/L		0.608
A830-0863Animas@L	11/10/2014 2014_NOV_TOXICPOE Dissug/L	40.5	
A830-0864Animas@P	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0864Animas@P	11/10/2014 2014_NOV_TOXICPMS Dissug/L		0.616
A830-0864Animas@P	11/10/2014 2014_NOV_TOXICPOE Dissug/L	21.8	
A830-0865Bbridge	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0865Bbridge	11/10/2014 2014_NOV_TOXICPMS Dissug/L		0.665
A830-0865Bbridge	11/10/2014 2014_NOV_TOXICPOE Dissug/L	138	
A830-0866James Ran	11/10/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0866James Ran	11/10/2014 2014_NOV_TOXICPMS Dissug/L		0.965
A830-0866James Ran	11/10/2014 2014_NOV_TOXICPOE Dissug/L	154	
A830-0892A55	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0892A55	11/19/2014 2014_NOV_TOXICPMS Dissug/L		2.44
A830-0892A55	11/19/2014 2014_NOV_TOXICPOE Dissug/L	166	
A830-0893A56	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		

A830-0893A56	11/19/2014 2014_NOV_TOXICPMS Dissug/L		1.03
A830-0893A56	11/19/2014 2014_NOV_TOXICPOE Dissug/L	64.5	
A830-0894A60	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0894A60	11/19/2014 2014_NOV_TOXICPMS Dissug/L		1.03
A830-0894A60	11/19/2014 2014_NOV_TOXICPOE Dissug/L	37.4	
A830-0895A68	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0895A68	11/19/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0895A68	11/19/2014 2014_NOV_TOXICPOE Dissug/L		
A830-0897A72	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0897A72	11/19/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0897A72	11/19/2014 2014_NOV_TOXICPOE Dissug/L	37.7	
A830-0898A73	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0898A73	11/19/2014 2014_NOV_TOXICPMS Dissug/L		
A830-0898A73	11/19/2014 2014_NOV_TOXICPOE Dissug/L	21.1	
A830-0899A75CC	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0899A75CC	11/19/2014 2014_NOV_TOXICPMS Dissug/L		8.4
A830-0899A75CC	11/19/2014 2014_NOV_TOXICPOE Dissug/L	45	
A830-090CA75D	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-090CA75D	11/19/2014 2014_NOV_TOXICPMS Dissug/L		
A830-090CA75D	11/19/2014 2014_NOV_TOXICPOE Dissug/L		
A830-0901A75EC	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0901A75EC	11/19/2014 2014_NOV_TOXICPMS Dissug/L		3.98
A830-0901A75EC	11/19/2014 2014_NOV_TOXICPOE Dissug/L	70.9	
A830-0902Animas@3	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0902Animas@3	11/19/2014 2014_NOV_TOXICPMS Dissug/L		0.616
A830-0902Animas@3	11/19/2014 2014_NOV_TOXICPOE Dissug/L	37	
A830-0903Animas@L	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0903Animas@L	11/19/2014 2014_NOV_TOXICPMS Dissug/L		1.26
A830-0903Animas@L	11/19/2014 2014_NOV_TOXICPOE Dissug/L	35.8	
A830-0904Animas@P	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0904Animas@P	11/19/2014 2014_NOV_TOXICPMS Dissug/L		1.39
A830-0904Animas@P	11/19/2014 2014_NOV_TOXICPOE Dissug/L	22.3	
A830-0905Bbridge	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0905Bbridge	11/19/2014 2014_NOV_TOXICPMS Dissug/L		1.01
A830-0905Bbridge	11/19/2014 2014_NOV_TOXICPOE Dissug/L	72.4	
A830-0906James Ran	11/19/2014 2014_NOV_TOXDM-Hardn mg/L		
A830-0906James Ran	11/19/2014 2014_NOV_TOXICPMS Dissug/L		2.74
A830-0906James Ran	11/19/2014 2014_NOV_TOXICPOE Dissug/L	89.8	

Cadmium	Calcium	Chloride	Chromium	Copper	Dissolved (Dissolved (Flow	Fluoride	Iron
---------	---------	----------	----------	--------	----------------------------	----------	------

0.399

5.37

62000  
60300

1.3

0.5

1.26

1.89

1.29

3.17

67000  
64900

1.2

0.5

2.07

12.6

1.93

17.2

108000  
105000

2520  
6220

1.61

8.17

1.69

13.9

87200  
85500

429  
3290

1.5

0.5

1.03

7.99

1.03

73200  
71400

1830

1.6

0.4

0.76  
0.853

71500  
69500

284



	16.8		4.3
5.46		71	
3.58		43.3	
200000			6360
199000			13800
			0.2
0.809		5.19	
0.663		6.83	
94600			4420
91500			5730
0.415		0.676	
0.579		6.01	
60700			
58600			
	1.3		0.4
1.2		1.71	
1.25		6	2.97
65800			
62000			
	1.2		0.5
		3.1	
2.04		10	
1.96		5.11	11.6
107000			1420
103000			1750
			1.6
1.66		3.62	
1.53		5.8	5.97
85700			

82800				644
	1.6			0.4
1.01			0.718	
1.16		5.61	3.17	
72100				
70500				576
	1.6			0.4
0.844				
0.856		7.01		
68000				
67300				114
1.4			1.56	
1.86			3.56	
66400				
64500				104
	1.2			0.5
2.1			17	
1.89		6.07	18.6	
107000				2770
106000				5920
				1.7
5.51			71	
5.58		5.11	65.5	
196000				6460
210000				16000
				1.7
0.789			6.91	

0.914			7.33	
	97600			5060
	98700			7080
		22.9		
				1.9
1.21			2.16	
1.49			3.4	
	64700			
	60100			125
		1.4		0.5
				6.6
0.712			3.14	
0.968		8.67		
	99500			4270
	94300			4100
		25.5		
0.124			15.1	
	27500			
0.123			25.6	
	22200			
0.931			12.1	
	47900			
0.213			9.54	
	25700			224
			5.45	
	32500			820
			5.93	
	29700			169
1.91			26.4	
	39000			2120
0.412			6.06	
	36200			3680
9220		5480		
	4430		306	28700

16700		8800		
	5330		605	43900
3280		4660		
	4270		198	60600
5220		4700		
	2880		232	48500
10300		5420		
	6320		415	81400
16900		5260		
	7890		377	78500
338		4710		
	1200		57.8	289000
1060		3640		
	4290		91.4	62300
0.289			8.5	
		9.57	15.4	
	27300			
	26100			192
			9.63	
		8.58	18.5	
	21100			
	19800			265
1.12			0.701	
1.08		7.36		
	42400			
	39400			246
0.353			3.49	
		7.83		
	27400			
	24300			
			4.59	
		6.42	2.87	
	30500			
	29500			169
			3.32	
			3.3	
	28200			
	27000			123
1.75			25.8	
1.63		5.36	25	

	40000			123
	36600			1170
0.591			3.88	
0.592		8.89	3.01	
	36900			
	34600			926
			4.06	
		8.83		
	17100			
	16300			
			3.19	
		8.84		
	16100			
	15700			
0.179			3.13	
	18900			
	18600			233
0.191			3.08	
		8.06		
	16400			
	15800			
			3.46	
		7.8		
	18000			
	17500			
		2.76	0.972	
		8.35		
	16700			
	16600			
0.197			3.16	
	17000			118
	16600			5100
		1.94	0.613	
		7.84		
	16400			
	16000			

3.11		1.68	3.7	1.1	
2.98		7.09	14.4		
	70600				
	65700				213
		2.8			0.8
				1.2	
2.74			13.4		
2.54			17.7		
	91900				2720
	86900				4680
				1.2	
2.32			6.06		
2.28		6.1	15.4		
	85000				1310
	79400				3620
				1.1	
2.25			5.6		
2.05			13		
	80800				1150
	75200				3220
		3.6			0.5
				1.2	
1.58			1.16		
1.39		7.09	7.56		
	65100				
	60100				1290
		3			0.5
				1.3	
1.2			7.35		
1.2			7.6		

	80700					3170
	76400					4720
		11.4				
				1.5		
2.79			1.52	3.48		
2.85				7.41		
	69400					
	70800					
		2.7				0.7
				3.6		
2.6				13.2		
2.94			5.69	11.8		
	95900					1850
	95200					2040
		11.1				
				1.6		
2.17				3.26		
2.42			6.11	8.44		
	85600					
	87200					1720
		10.1				
				1.6		
1.95				2.71		
2.13				8.44		
	80900					
	81400					1750
		3.6				0.5
				1.5		
1.4				2.37		
1.5			5.01	8.17		
	67000					
	65300					1450
		3.1				0.5
				2.5		
1.19				7.09		

1.45		7.36	
79500			2530
81400			4010

12.5

		10.5	
0.663		2.85	17.9
3.99			163
36700			
36100			2510

1.9

0.9

		2.9	
1.96		1.41	21
3.26			133
31800			
35400			2100

1.8

0.6

		1.5	
4.35		17.9	
5.72		76.3	
34700			
34400			1790

2.1

0.7

0.482		1.21	3.08
0.871			28
31400			
30800			2210

1.8

0.4

1.11		3.42	
1.45		32.1	
29000			
28300			4880

1.8

0.5



0.303			4.95		
			17.9		
24800					3830
24800					
	1.8				0.4
				10.5	
		1.09	1.21		
			4.22		
44800					1530
44300					
	2.2				0.9
0.744			2.55		
1.32			19.2		
25400					3050
25200					
	1.8				0.4
				2.4	
0.108			1.79		
1.48			8.05		
18700					1170
18600					
	1.8				0.1
				1.4	
0.115			2.31		
1.84		7.02	31.6		
34800					2400
35200					
	3.3				0.4
				1.5	
		1.52	1.09		
			7.07		
38700					2110
40800					
	3.7				0.2

				1.3	
			1.02 6.03	0.945 4.75	
	32700 33800				2360
		1.9			0.2
				1.4	
1.12 2.93				6.58 53.2	
	31900 32500				9070
		2.1			0.3
				1.7	
1.21 2.82			1.08	6.44 45.8	
	35900 36100				7330
		2.1			0.3
				1.2	
0.101				4.07 8.47	
			7.41		
	18200 19600				
		2.1			0.6
0.126			1.32 8.06	2.97 7.47	
	19600 21000				941
		2.1			0.3
0.186			1.43 7.74	2.45 3.58	
	19700 21000				

	2.1			0.3
19600		5.4	2.2 2.74	
20400				
	2.1			0.2
18500		6.36	1.5	
19200				
	2.1			0.3
17300		6.96	1.79	
18300				
	2.1			0.3
24000		1.09 6.82	0.56	1.4
25500				155
	2.1			
17900		1.22 7.42	1.91 2.7	
19200				
	2.1			0.2
16000		7.85	1.36	1.1

17400				
	2.1			
		1.24	1.33	1
		6.22		
21400				
22100				
	2.2			0.2
			1.3	
		5.58		
27800				
28800				
	2.3			0.1
			1.32	
		7.43	2.78	
26600				
28900				587
	2			
			1.94	
		7.55		
19300				
20200				
	2.1			0.1
			2.1	
		5.74		
21300				
21700				
	2.1			0.2
1.09		15.3	28.4	
49800				

1.62		1.11	67.5
48800			
6.69		1.27	14.7
56700			
1.62			5.31
56100			
2.46			3.37
44000			
0.634			12.8
37400			
		2.69	1.24
66600			
1.62			4.05
39100			
0.121		1.33	1.68
26600			
		1.21	2.1
46000			
			1.11
41000			
		1.13	1.26
36600			
1.35			7.82
43200			
1.28			7.94
46900			
1.47		2.27	59.4
29400			

1.08		1.82	45.5	
	33500			
12.4		3.11	11.7	
	84200			
1.12		1.77	3.84	
	53600			
2.58			3.38	
	70300			281
0.968			2.36	
	42400			
		5.14		
	129000			8700
1.97			4.26	
	49900			
		3.36	1.57	
	29600			867
0.29			2.24	
	59500			
			1.63	
	62400			
			2.21	
	62200			
0.479			8.89	
	53800			
0.408			18.2	
	55500			

Lead	Magnesium	Manganese	Nickel	pH	Potassium	Selenium	Silver	Sodium	Specific Gravity
0.218									
0.549									
	3580	121			684			2670	
	3440	123			636			2530	
0.414									
1.42									
	3750	1600			689			2830	
	3530	1580			667			2620	
0.574				3.66					
6.32				2.87					
	7050	1910			1100			4070	
	6700	1890			1020			3810	
0.115				3.11					
3.65									
	6170	1410			975			3450	
	5920	1410			933			3240	
				1.95					
2.21									
	6080	912			1020			3290	
	5790	920			970			3080	
				0.829					
	6690	682			1080			3240	
	6390	677			1010			3050	

13.7			16.4	
9.63			10.5	
	11700	5330		5050
	11300	5370		4630

0.735			1.84		0.517	
2.49						
	7660	536		833		4390
	7230	532		744		4070

1.33					4.89	
	3590	106		882		2680
	3470	114		880		2600

1.25					4.44	
	3720	1590		920		2820
	3570	1550		928		2720

0.11			3.03		0.519	
0.841			3.13		4.98	
	7060	1840		2350		4790
	6820	1860		2350		4660

			3.01			
0.935						
	6140	1380		1250		3540



	5990	1390	1250	3490
			2.14	
0.931				
	6100	902	1220	3300
	5970	911	1240	3250
			2.3	
	6530	648	1380	3180
	6460	662	1360	3130
0.212				
8.37				
	3730	1870	695	2780
	3610	1900	765	2750
0.849			5.13	
5.78			2.78	
	7000	1860	1080	4060
	6770	1910	1080	3910
13.1			17.2	
16.2			12.6	
	11400	5380	2040	4760
	11900	5550	2050	4880
1.03			3.25	

3.24

7790  
7750

585  
590

835  
856

4470  
4390

0.106  
1.85

1.25

3710  
3470

1720  
1640

909  
976

2990  
2890

2.56  
3.01

8250  
7940

592  
584

4010  
4040

7380  
7300

8.13

12000

4870

0.663

3910

0.659

27000

13.3

10300

6180

1.96

4480

24100

0.161

15100

9290

1.62

3130

0.775

29200

1.27

13500

14500

3290

1.13

25300

0.165

15100

9630

0.662

5000

1.57

28100

0.14

14400

7320

0.545

4130

0.977

27700

14.5

15300

6180

5.67

2790

0.879

26300

0.168

16500

8920

2.68

3370

1.53

28200

8580

10300

2070

4630

6020

900

			15200		1220	12000
2600	5040	12100		1200		
			7180			3530
704	6570	4320		1420		
			11500			3290
557	4040	4430		567		
			16100		1110	2070
436	3980	4440		1360		
			31000			2200
471	4330	8790		1350		
			1890			1200
206	1720	307		450		
			4520			558
152	5340	1220		935		
1.09					0.57	
24.8						
	14300	2390		4000		28700
	13500	2650		3900		27400
2.59			0.637		2.15	
21.7						
	12900	4500		4540		25600
	12200	4440		4310		24500
					0.512	
2.71						
	17000	6250		3120		29500
	16000	6100		3060		28300
0.184			0.542		0.761	
0.632						
	15200	12700		3520		26800
	14100	11800		3240		25500
					1.59	
1.16						
	15700	8060		4790		27700
	15500	7930		4750		27700
					1.65	
1.45						
	15700	5130		4000		28000
	15000	5210		3840		26800
16.5			4.95			
17.7			4.69			

	16300	5910		2910	27500
	15200	5800		2740	26400
0.192			2.06	1.27	
0.702					
	17600	8540		3470	29100
	16800	8390		3360	28400
0.157					
1.13					
	15600	49.4		3040	29800
	15000	54.4		3020	28900
0.852					
4.42					
	15200	875		2970	28300
	14800	911		2960	27600
0.121					
2.15					
	15900	1260		2750	29500
	15700	1230		2780	29000
0.723					
	15600	2810		2740	29000
	15200	2890		2720	28200
				0.613	
	16400	492		3020	30300
	15800	502		2990	29400
	15600	26.8		2910	29100
	15400	36.8		2950	29000
0.222			0.562		
3.43					
	15500	724		2620	28700
	15000	738		2560	28000
	16300	567		2820	29900
	16000	619		2860	29500

0.134			1.49		
3.46			2.76		
	4260	3960		765	2910
	3940	3920		767	2750

1.27			3.63	0.705	
8.79			2.82		
	6160	2380		1010	4440
	5790	2340		1020	4250

			3.54		
7.7			2.56		
	5980	2000		998	4300
	5590	1950		975	4090

0.704			3.86	0.609	
6.81			2.86		
	5860	1870		999	4180
	5430	1860		960	3950

1.02			2.84	0.654	
4.09					
	5190	1270		998	3540
	4780	1260		976	3330

5.16			2.04		
11.7					

	6210	444		829	5830
	5890	433		809	5680
			1.34	0.538	
1.47					
	4180	3920		1050	2840
	4200	4090		1070	2840
0.907			3.16	0.875	
1.12			4.15		
	6280	2460		1950	4940
	6270	2450		2090	5010
			3.27	0.581	
3.3			3.75		
	5940	2000		1360	4190
	6070	2070		1370	4280
			3.54	0.792	
3.61			3.16		
	5740	1880		1290	3990
	5780	1950		1330	4030
			3.15	0.932	
4.31			2.89		
	5300	1290		1380	3620
	5120	1310		1370	3490
3.75			2.72		

8.7

5.89

6140

438

1400

6210

6180

457

1380

6220

8.69

0.736

1.28

142

8730

14400

2820

21700

9230

14800

3250

22300

5.48

0.827

116

4.11

8970

6640

2470

22100

9140

5440

3020

21600

2.34

0.519

117

8460

944

2220

22100

8740

1190

2630

22100

0.561

48.4

8750

104

1940

22200

9010

350

2420

22000

0.192

30.6

0.737

9250

1490

2010

23400

9330

1540

2260

23100

0.451			0.56		
29.1					
	9000	13.2		1870	23300
	8990	188		2080	23100

			0.759		
2.23					
	12500	43.2		2900	22700
	12900	414		3320	22700

0.215					
23.5					
	8600	1020		2430	23000
	8720	1210		2680	23000

0.157			7.31		
2.42			17		
	11100	4800		2770	23100
	11200	4770		2910	23100

0.483			0.696		
38.6					
	8880	247		2940	22900
	9250	846		3280	23000

			0.613		
8.58			3.08		
	10300	135		2610	23200
	10400	267		3020	22400



5.95

7120  
7650

12.8  
87.3

2170  
2870

18800  
19100

0.279  
52.2

8930  
9220

2130  
2510

2.54

3200  
3580

21600  
21500

0.431  
46.9

9370  
9800

2020  
2400

2940  
3170

22400  
22700

0.784  
3.51

11000  
11600

434  
442

2720  
2910

26600  
28000

83.8

11800  
12300

38.7  
133

2730  
2890

27500  
28000

12100  
12600

10.8  
12.7

2590  
2730

27600  
28400

12100		2510	27400
12400	2.41	2670	27900

11900	13.3	2430	26700
12100	13.6	2520	27300

12200	3.43	2510	28300
12400	2.19	2550	28500

13000	85.2	3120	27300
13500	112	3220	27700

12000		2660	27500
12400		2730	28100

0.876

12300	35.8	2600	26700
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	13200	39.3		2780		28500
	12100	14.9		2760		28100
	12800	29.3		3120		29400
	12100	2.01		2560		27000
	12200	6.24		2560		27000
1.35	10700			2310		24200
	11500	14		2670		25800
	11200			2650		24700
	11500	7.9		2740		25400
	12000			2730		26600
	12000	3.01		2730		26600
8.81	7700	21200	0.658	3150	1.4	18600

8.72			1.13		1.17	0.636	
	7960	12100		2940			17500
2.41			1.05				
	7960	3520		2540			17200
0.527							
	7270	512		2130			15200
0.191			1.49				
	8130	3430		2080			19600
0.799			1.04				
	6440	55.4		1730			17800
0.116			1.02		1.43		
	15800	3020		3560			21000
0.299			0.716				
	7100	2320		2780			17300
0.196			19.5		1.87		
	12300	11000		3790			15500
0.599							
	8680	3990		3710			20000
0.207			1.22				
	10200	671		2700			23100
0.152			1.19				
	7340	219		2440			19300
0.632			1.16				
	9050	4280		4030			18500
0.766							
	9630	4520		3100			19900
33.3					1.19		
	6290	13300		3800			24800

8.78				1.07	
	7450	8210		3270	20400
2.51				1.03	
	12700	11700		3590	26500
0.116					
	6780	234		2420	23300
	10400	13100		2940	26900
0.17			1.59		
	6000	158		2040	23100
	28300	9140		9280	27900
0.137					
	7430	3150		3390	20300
			9.34	2.48	
	15700	21800		4510	27200
0.309					
	10600	4090		3480	28400
0.123				1.49	
	16400	1760		3480	34500
0.159			0.696	1.02	
	14000	324		4060	32900
1.31				1.47	
	11600	4970		6410	27300
0.991				3.33	
	11800	9300		5450	25400

Sulfate	As	Temperat	Total Orga	Zinc	% Solids	ACIDITY	Antimony	Barium	Cobalt	Hardness
										170
								25		
								25.9		
				165						
				160						
127										183
								24.6		
								25.3		
				374						
				354						
141										299
								21.5	7.96	
									7.47	
				864						
				830						
263										243
								24.8	6.08	
									5.81	
				695						
				659						
234										208
								29.3	3.87	
								30.1	3.73	
				437						
				495						
184										206
								32	2.42	
								31.6	2.5	
				333						
				334						

1730				546
			27.3	
			16.9	
	2730			
	2720			
60.9				268
		25	9.02	
			9.34	
	211			
	197			
232				166
		25.1		
		26		
	149			
	147			
125				180
		24.6		
	356			
	333			
139				296
		20	7.42	
			8.24	
	812			
	786			
282				239
		24.7	5.87	
		25.5	6.15	
	645			

	621			
232				205
		29.5	3.63	
		31.4	3.85	
	411			
	424			
183				197
		32.5	2.39	
		32.2	2.6	
	302			
	306			
160				
				181
		24.1		
	397			
	410			
150				
				296
			8.95	
			7.91	
	827			
	850			
286				
				536
			26.1	
			25.2	
	2710			
	2860			
594				
				276
			10.1	



					9.97	
	216					
	220					
856						177
				23.3		
	413					
	390					
147						282
					8.8	
					10.1	
	230					
	212					
871						118
		1.71	66.2	0.362		
	33.5					98
			121	0.163		
	29					182
			28.3	0.916		
	27.5					120
			32.4	3.71		
	27.6					143
			33.2	3.12		
	26.1					133
			49.3	2.35		
	38					161
			12.9	31.5		
	516					158
			28.5	14.6		
	37.9	9530		13100		
	3530		113			

	9340	15400	
7630	190		
	1790	21800	
968	195		
	2270	21200	
1240	103		
	2060	29900	
4980	145		
	2110	60800	
9060	206		
	1510	2520	
132	55.7		
		14800	
323	105		
			127
	1.34	36.6	
		40.7	
51.9			
73			
			106
		74.6	
		76	
22.4			
49.6			
			176
	20.2		
15.8			
			131
	26.1	2.58	
	25.1	2.45	
25			
24.4			
			141
	26.3	2.05	
	25.2	1.94	
36.3			
48			
			135
	30	1.34	
	30.6	1.3	
32.2			
45.6			
			167
	10.6	31.3	
		31	

496			
455			165
	27.8	14.7	
	27.1	14.9	
41.3			
48.1			107
	11.1		
12.1			
15.3			103
	24.6		
13.2			
19.8			113
	10.2		
			105
	7.85	0.342	
11.2			
12.9			112
	6.58		
18.1			
20.9			106
	7.17		
11.9			
			106
	6.74	3.59	
		3.56	
39.8			
47.8			108
	6.48	0.142	

				194
		23.7	1.44 1.42	
	994 962			
178				255
		22.4	7.39 6.51	
	979 935			
264				237
		23.6	5.82 6	
	892 835			
237				226
		24.6 25.6	5.73 4.94	
	825 798			
244				184
		25.3 25	3.64 3.45	
	566 563			
193				227
		25.7 27.2	6.1 6.44	

	335			
	317			
237				191
		22.8	1.25	
			1.49	
	905			
	982			
172				265
		22.7	7.24	
			7.28	
	1010			
	985			
265				238
		23.8	5.93	
			6.23	
	857			
	875			
242				226
		24.5	5.43	
		25.1	5.53	
	796			
	836			
244				189
		25.1	3.6	
		25.1	3.69	
	525			
	591			
195				224
		25.2	7.13	

			26.8	6.16	
	337				
	349				
237					
					128
			109	1.05	
			125	2.04	
	83.4				
	621				
64.1					
					116
			58.1	0.693	
			73.8	1.59	
	117				
	582				
74.1					
					122
		0.669	27.7	0.197	
			42.6	0.723	
	211				
	426				
82.7					
					114
			17.5		
			33.2	0.61	
	47				
	269				
80.6					
					111
			18.1	0.543	
			29.4	1.29	
	61.3				
	147				
118					
					99

		17.3		
		29.7	0.907	
	70.6			
	128			
104				163
		153	0.641	
		180	1.86	
	12.2			
	24.9			
66.9				99
		23.6	0.364	
		33.5	1.18	
	40.1			
	172			
87.4				93
		124	4.51	
		135	10.7	
	13.3			
	60.3			
68.5				123
		43.5	0.138	
		60.3	1.53	
	24.5			
	216			
69.3				139
		52.9	0.191	
		71.2	1.03	
	78.3			
71.1				

					111
				53.3	0.11
				87.1	0.87
		11.5			
		36.6			
64.8					
					117
				41.4	0.744
				64.5	2.4
		43.7			
		476			
79.7					
					128
				36.3	0.748
				56.7	2.22
		43.6			
		412			
84.1					
					91
				16.6	
		17.7			
		16.2			
75.6					
					97
				14.7	
				32.9	
		13.5			
		34.5			
82.3					
					99
				12.1	
		34.4			
		28.1			



84.3

99

10.5

26.4  
23.4

83.9

95

9.92

10.3

93.3

93

9.83

10.8

88.5

114

48.4  
55

73.3

94

11.6

11.9  
12.8

84.9

91

36.9    0.188  
36.7

79

103

21

84.3

119

37.8

32.3

79.8

111

45.5

49.3

10.3

77

94

19.4

15.1

11.8

78

103

17.9

13.6

84.6

156

0.502

106

1.32

63.1

				155
	0.53	72.1	1.07	
190				
				174
	0.6	46.7	0.409	
588				
				170
		34.8	0.121	
230				
				143
		29.1	1.21	
182				
				120
		35.8	0.125	
220				
				231
		260	2.52	
15.7				
				127
		40.9	0.814	
157				
				117
		230	12	
15				
				150
		70.5	0.719	
29.6				
				144
		62.1	0.585	
12.6				
				122
		58.6	0.391	
15.4				
				145
		58.4	1.19	
67.8				
				157
		50.8	1.25	
59.2				
				99
	1.08	118	0.536	
54				
				114

60.7	0.552	52.9	0.466	
				263
1100	0.554	58.4	0.574	
				162
232		35.1		
				218
217		40.5	3.08	
				131
298		42.9	0.125	
				438
21.3		617	8.14	
				155
191		47.1	0.777	
				139
		334	17.6	
				192
33.4		79.1	0.685	
				223
18.9		101	1.32	
				213
16.4	0.715	131	0.708	
				182
32.7		97.6	1.18	
				187
36.4		116	1.73	

Mercury Nitrate as N Nitrate/Nit Nitrite as N Strontium Thallium Total Alkal TOTAL DIS TOTAL SUS Vanadium

600  
597  
37.8

666  
657  
35.8

1090  
1080

882  
875

688  
688  
17.1

649  
641

26.5

7.83

2400

2380

870

853

598

605

40.9

658

653

42.7

1060

1090

871

883

693

711

20.5

627

658

31.8

660

671

37.6

1080

1100

2370

2420

942  
931

661  
636

47

937  
952

8.16

285

289

453

235

301

285

405

308

14300

44.9



	1160	18300
75.6		
	688	23200
87.9		
		17300
42.4		
	540	22900
99.9		
	547	24200
123		
		56200
17.8		
		20500
61.4		

251  
256

229  
227

376  
374

230  
216

280  
279

254  
253

397  
387

301  
300

125  
125

130  
131

138  
137

112  
113

130  
131

119  
127

125  
126

107  
110

	695	
	702	
0.2		34.1

	974	
	972	

	876	
	874	

	827	
	827	

	641	
	640	
0.2		11.6

809  
796

689  
696

38

0.2      0.2

1010  
985

855  
888

9.98

816  
831

8.16

0.3      0.3

647  
642

17.9

0.2      0.2

791  
824

10.5

380  
389

145

312  
359

106

3.13

346  
349

86.5

300  
304

80.4

267  
268

40.5

212	
220	42.6

281	
284	146

220	
223	61.9

126	
127	83.3

319	
327	109

339	
344	140

277  
289

89.8

10.1

260  
271

92.6

3.08

256  
266

100

9.12

150  
157

78.5

2.81

151  
160

75.6

153  
159

75.8

149

154

75.1

134

137

60.7

119

123

63.2

147

153

109

126

131

70.2

96.7



103

73.5

153

158

81.8

196

198

103

182

194

90.8

135

138

72.2

9.69

140

141

78.6

3.95

530

500

599

587

438

370

421

365

0.756

191

460

378

322

357

344

372

355

792

588

688

435

856

477

220

548

617

526

476

467

Ammonia as N

































Lab Name	Lab. Design.	Lab Job #	BASIN	NEW SITE	STRM_DESITE	DESITE DESIG	TE DESIG	OLD SITE D
Samp_No								
085M-0001			Eureka Gulch abv Terry Tunnel	A39				
085M-0002			Forest Queen	A41				
085M-0003			Maggie @ culvert	A43				
085M-0004			Animas above POW tailings	A45				
085M-0005			Hematite @ confluence	A47				
085M-0006			Old Hundred Mine	A49				
085M-0007			Cunningham below HM tailings	A51				
085M-0008			Animas @ Cunningham?	A53				
085M-0009			Howardsville gage	A55				
085M-0010			Animas Abv Arrastra	A56				
085M-0011			Mouth of Arrastra	A58				
085M-0012			Animas blw Arrastra	A60				
085M-0013			Animas abv Boulder	A61				
085M-0014			Animas blw Boulder & Aspen trib	A64				
085M-0015			Animas opp. Power House	A65				
085M-0016			Animas @ Lakawanna bridge	A66				
085M-0017			Mouth of Swansea Gulch	A67				
085M-0018			Animas Gage @ 14th St. Silverton	A68				
085M-0019			Animas Gage blw Silverton	A72				
085M-0020			Animas upstream of Elk Cr.	A73				
085M-0021			Animas Dwnstream of Elk Cr.	A73B				
085M-0022			Animas Dwnstream of Cascade Cr.	A75B				
085M-0023			Mouth of Cascade Cr.	A75CC				
085M-0024			Animas upstream of Cascade Cr.	A75D				
085M-0025			Mouth of Elk Cr.	A75EC		A73EC		
085M-0026			North End of Durango	Animas @		32nd Bridge		
085M-0027			Near Highway split in Durango	Animas @		Lightner Creek		
085M-0028			South Durango near Home Depot	Animas @		Purple Cliffs		
085M-0029			Bakers Bridge	Bbridge				
085M-0030			Grand Mogul Consolidated discharge	CC01C				
085M-0031			CC dwnstream of Queen Anne	CC01T				
085M-0032			CC dwnstream of sublevel 1 discharge	CC01H				
085M-0033			CC blw Mogul	CC02B				
085M-0034			Mogul	CC02D				
085M-0035			Gold Point	CC02E				
085M-0036			Mogul drainages abv. CC confluence	CC02i				
085M-0037			Bride of Bonita	CC02K				
085M-0038			CC between NF & Red & Bonita abv road cross	CC03A				
085M-0039			CC abv. Red & Bonita confl.	CC03B		CCOPP12		
085M-0040			Red & Bonita Mine, outflow	CC03C				
085M-0041			Red & Bonita @ culvert	CC03D				
085M-0042			NF CC above Gold King	CC04				

085M-0043	Gold King 7 level	CC06
085M-0044	Second portal at Gold King 7 level	CC06B
085M-0045	NF at road crossing near confluence	CC07
085M-0046	Silver Ledge	CC14
085M-0047	SF abv Silver Ledge	CC15
085M-0048	SF blw Silver Ledge	CC16B
085M-0049	SF abv CC	CC17
085M-0050	CC above treatment plant	CC18
085M-0051	CC abv. Amer. Tunnel confluence, 1100 yds. blw NF	CC18B
085M-0052	American Tunnel	CC19
085M-0053	CC below SF	CC21
085M-0054	CC above Prospect	CC21B
085M-0055	Prospect above confluence	CC26
085M-0056	CC below Ohio abv Illinois	CC41
085M-0057	CC gaging station	CC48
085M-0064	Fenn drainage just downstream of	MTD-4
085M-0065	Between Bakers & Trimble	James Ranch
085M-0067	Mineral Gaging Stn	M34
085M-0068	Mogul tailings drainage just before	MTD-4
A830-0001	Animas Gage @ 14th St. Silverton	A68
A830-0002	Animas Gage blw Silverton	A72
A830-0003	Mineral Gaging Stn	M34
A830-0004	Mogul	CC02D
A830-0005	CC downstream of sublevel 1 discharge, abv road crossing	CC01B
A830-0006	CC abv. Red & Bonita confl.	CC03B CCOPP12
A830-0007	CC between NF & Red & Bonita abv road crossing	CC03B CCOPP11
A830-0008	CC abv. Amer. Tunnel confluence, 1100 yds. blw NF	CC18B
A830-0009	CC above treatment plant	CC18
A830-0010	CC below SF	CC21
A830-0011	CC above Prospect	CC21B
A830-0012	CC below Ohio abv Illinois	CC41
A830-0013	CC gaging station	CC48
A830-0014	Grand Mogul north seep, stream	CGM1C1
A830-0015	Grand Mogul, toe of waste pile	CC01C
A830-0016	Grand Mogul adit & small seep, abv. CC confluence w/CC	CC01C
A830-0017	Mogul	CC02D
A830-0018	Gold Point	CC02E
A830-0019	Bride of Bonita	CC02K
A830-0020	Mogul tailings drainage just before	MTD-4
A830-0021	Fenn drainage just downstream of	MTD-4
A830-0022	Red & Bonita @ culvert	CC03D
A830-0023	Red & Bonita Mine, outflow	CC03C
A830-0024	NF at road crossing near confluence	CC07
A830-0025	American Tunnel	CC19
A830-0026	Silver Ledge	CC14
A830-0027	SF abv Silver Ledge	CC15
A830-0028	SF blw Silver Ledge	CC16B

A830-0029	SF abv CC	CC17	
A830-0030	Prospect above confluence	CC26	
A830-0031	Ohio above road	CC40	
A830-0032	Illinois gulch	CC42	
A830-0033	NF CC above Gold King	CC04	
A830-0035	Gold King 7 level	CC06	
A830-0037	CC above Queen Anne confluence	CC01H	
A830-0038	CC blw Mogul	CC02B	
A830-0049	SF abv CC	CC17	
A830-0050	Animas Gage blw Silverton	A72	
A830-0051	Gold King 7 level	CC06	
A830-0052	Mogul	CC02D	
A830-0096	Animas Abv Arrastra	A56	
A830-0097	Mouth of Arrastra	A58	
A830-0098	Boulder @ confluence	A62	
A830-0099	Animas blw Boulder?	A62B	
A830-0100	Animas Gage @ 14th St. Silverton	A68	
A830-0101	Animas Gage @ 14th St. Silverton	A68	
A830-0102	Animas Gage @ 14th St. Silverton	A68	
A830-0103	Animas Gage @ 14th St. Silverton	A68	
A830-0104	?	A69A	
A830-0105	?	A70B	
A830-0106	?	A71B	
A830-0107	Animas Gage blw Silverton	A72	
A830-0108	Animas Gage blw Silverton	A72	
A830-0109	Animas upstream of Elk Cr.	A73	
A830-0110	Animas Dwnstream of Elk Cr.	A73B	
A830-0111	Mouth of Elk Cr.	A73EC	
A830-0112	Animas Dwnstream of Cascade Cr.	A75B	
A830-0113	Mouth of Cascade Cr.	A75CC	
A830-0114	Animas upstream of Cascade Cr.	A75D	
A830-0115	American Tunnel seep	ATS-1	CC19C
A830-0116	Bakers Bridge	BBRIDGE	
A830-0117	Grand Mogul, toe of waste pile	CC01C	
A830-0118	Grand Mogul north seep, stream	CC01C1	
A830-0119	CC above Grand Mogul, blw water fall	CC01F	
A830-0120	CC above Queen Anne confluence	CC01H	
A830-0121	CC below Queen Anne confluence	CC01T	
A830-0122	CC downstream sublevel 1 trib; just abv rd. crossing	CC01H	
A830-0123	CC Below Mogul	CC02B	
A830-0124	?	CC02B2	
A830-0125	Mogul	CC02D	
A830-0126	Gold Point	CC02E	
A830-0127	Mogul sublevel 1 waste pile seep, east side	CC02H	
A830-0128	Pride of Bonita	CC02K	
A830-0129	CC between NF & Red & Bonita abv road crossing	CC03	CC03P11
A830-0130	?	CC03A	

A830-0131	CC abv.Red&Bonita confl.	CC03B	CCOPP12
A830-0132	Red & Bonita Mine, outflow	CC03C	
A830-0133	Red & Bonita @culvert	CC03D	
A830-0134	?	CC03E	
A830-0135	Gold King 7 level	CC06	
A830-0136	Second portal at Gold King 7 level	CC06B	
A830-0137	NF at road crossing near confluence	CC07	
A830-0138	Silver Ledge	CC14	
A830-0139	SF abv Silver Ledge	CC15	
A830-0140	SF blw Silver Ledge	CC16B	
A830-0141	SF abv CC	CC17	
A830-0142	CC above treatment plant	CC18	
A830-0143	CC abv. Amer. Tunnel confluence, 100 yds.blwNF	CC18B	
A830-0144	American Tunnel	CC19	
A830-0145	American Tunnel Seep	CC19C	
A830-0146	CC below treatment plant	CC20	
A830-0147	?	CC20B	
A830-0148	CC below SF	CC21	
A830-0149	CC below SF	CC21	
A830-0150	CC above Prospect	CC21B	
A830-0151	CC above Prospect	CC21B	
A830-0152	Prospect above confluence	CC26	
A830-0153	Near Bogwan?	CC28C	
A830-0154	Near Bogwan?	CC28C	
A830-0155	Near Bogwan?	CC28C	
A830-0156	Near Georgia gulch?	CC30N	
A830-0157	CC above Minnesota	CC34	
A830-0158	CC above Minnesota	CC34	
A830-0159	Porcupine above road	CC38	
A830-0160	Monarch Mine	CC38C	
A830-0161	Ohio above road	CC-40	
A830-0162	Ohio blw road?	CC40B	
A830-0163	Ohio blw road?	CC40B	
A830-0164	CC below Ohio	CC41	
A830-0165	Illinois gulch	CC42	
A830-0166	Topeka blw road?	CC44B	
A830-0167	Near Mayday dump?	CC45K	
A830-0168	Niagara?	CC46B	
A830-0169	Hancock?	CC47C	
A830-0170	CC gaging station	CC48	
A830-0171	CC gaging station	CC48	
A830-0172	CC@confluence	CC49	
A830-0173	Animas Gage @ 14th St. Silverton	A68	
A830-0174	Mogul	CC02D	
A830-0175	CC above Prospect	CC21B	
A830-0176	Prospect above confluence	CC26	
A830-0177	CC@confluence	CC49	

A830-0178	CC gaging station	CC48
A830-0179	?	CC03E
A830-0184	Fenn drainage just dwnstream of	MTD-4
A830-0185	Mineral Gaging Stn	M34
A830-0186	Mineral Gaging Stn	M34
A830-0187	Mogul tailings drainage just before	MTCC4
A830-0188	Near Tailings Pond #4?	SEEP A
A830-0437	Animas Abv Arrastra	A56
A830-0438	Mouth of Arrastra	A58
A830-0439	Animas blw Arrastra	A60
A830-0440	Animas abv Boulder	A61
A830-0441	Animas blw Boulder & Aspen trib	A64
A830-0442	Animas opp. Power House	A65
A830-0443	Animas @ Lakawanna bridge	A66
A830-0444	Mouth of Swansea Gulch	A67
A830-0445	Animas Gage @ 14th St. Silverton	A68
A830-0446	Animas Gage blw Silverton	A72
A830-0447	Animas upstream of Elk Cr.	A73
A830-0448	Animas Dwnstream of Elk Cr.	A73B
A830-0449	Mouth of Elk Cr.	A73EC
A830-0450	Mouth of Molas Cr.	A73MC
A830-0451	Animas Dwnstream of Cascade Cr.	A75B
A830-0452	Mouth of Cascade Cr.	A75CC
A830-0453	Animas upstream of Cascade Cr.	A75D
A830-0454	Bakers Bridge	Bbridge
A830-0455	CC Below Mogul	CC02B
A830-0456	Mogul	CC02D
A830-0457	Mogul sublevel 1 waste pile seep	CC02H
A830-0458	CC between NF & Red&Bonita abv	CC03
A830-0459	CC abv.Red&Bonita confl.	CC03B
A830-0460	Red & Bonita Mine, outflow	CC03C
A830-0461	Red & Bonita @culvert	CC03D
A830-0462	NF at road crossing near confluence	CC07
A830-0463	Silver Ledge	CC14
A830-0464	SF abv Silver Ledge	CC15
A830-0465	SF blw Silver Ledge	CC16B
A830-0466	SF abv CC	CC17
A830-0467	CC above treatment plant	CC18
A830-0468	CC abv. Amer. Tunnel confluence	CC18B
A830-0469	American Tunnel	CC19
A830-0470	CC below SF	CC21
A830-0471	CC above Prospect	CC21B
A830-0472	Prospect above confluence	CC26
A830-0473	Ohio above road	CC40
A830-0474	CC below Ohio	CC41
A830-0475	Illinois gulch	CC42
A830-0476	CC gaging station	CC48

A830-0485	Fenn drainage just downstream of MTID-4	MTID-4
A830-0486	Mineral Gaging Stn	M34
A830-0487	Mogul tailings drainage just before MTCC4	MTCC4
A830-0742	Howardsville gage	A55
A830-0743	Animas Abv Arrastra	A56
A830-0744	Animas Gage @ 14th St. Silverton	A68
A830-0745	Animas upstream of Elk Cr.	A73
A830-0746	Animas upstream of Cascade Cr.	A75D
A830-0747	Bakers Bridge	Bbridge
A830-0750	Howardsville gage	A55
A830-0751	Animas Abv Arrastra	A56
A830-0752	Mouth of Arrastra	A58
A830-0753	Animas blw Arrastra	A60
A830-0754	Animas abv Boulder	A61
A830-0755	Animas blw Boulder & Aspen trib	A64
A830-0756	Animas opp. Power House	A65
A830-0757	Animas @ Lakawanna bridge	A66
A830-0758	Mouth of Swansea Gulch	A67
A830-0759	Animas Gage @ 14th St. Silverton	A68
A830-0760	Animas Gage blw Silverton	A72
A830-0761	Animas upstream of Elk Cr.	A73
A830-0762	Animas Dwnstream of Elk Cr.	A73B
A830-0763	Animas Dwnstream of Cascade Cr.	A75B
A830-0764	Mouth of Cascade Cr.	A75CC
A830-0765	Animas upstream of Cascade Cr.	A75D
A830-0766	Bakers Bridge	Bbridge
A830-0769	CC between NF & Red&Bonita abv road crossing	CC03
A830-0770	CC abv.Red&Bonita confl.	CC03B
A830-0771	Red & Bonita Mine, outflow	CC03C
A830-0772	NF at road crossing near confluence	CC07
A830-0773	Silver Ledge	CC14
A830-0774	SF blw Silver Ledge	CC16B
A830-0775	SF abv CC	CC17
A830-0776	CC above treatment plant	CC18
A830-0777	American Tunnel	CC19
A830-0778	CC below SF	CC21
A830-0779	CC above Prospect	CC21B
A830-0780	Prospect above confluence	CC26
A830-0781	CC below Ohio	CC41
A830-0782	CC gaging station	CC48
A830-0788	Mineral Gaging Stn	M34
A830-0793	Animas Gage @ 14th St. Silverton	A68
A830-0794	Animas Gage @ 14th St. Silverton	A68
A830-0795	Animas Gage @ 14th St. Silverton	A68
A830-0796	Animas Gage @ 14th St. Silverton	A68
A830-0797	Animas Gage @ 14th St. Silverton	A68
A830-0798	Animas Gage @ 14th St. Silverton	A68



A830-0799	Animas Gage @ 14th St. Silverton	A68
A830-0800	Animas Gage @ 14th St. Silverton	A68
A830-0801	Animas Gage @ 14th St. Silverton	A68
A830-0802	Animas Gage @ 14th St. Silverton	A68
A830-0803	Animas Gage blw Silverton	A72
A830-0804	Animas Gage blw Silverton	A72
A830-0805	Animas Gage blw Silverton	A72
A830-0806	Animas Gage blw Silverton	A72
A830-0807	Animas Gage blw Silverton	A72
A830-0808	Animas Gage blw Silverton	A72
A830-0809	Animas Gage blw Silverton	A72
A830-0810	Animas Gage blw Silverton	A72
A830-0811	Animas Gage blw Silverton	A72
A830-0812	Animas Gage blw Silverton	A72
A830-0813	Animas Gage blw Silverton	A72
A830-0814	Animas upstream of Elk Cr.	A73
A830-0815	Animas upstream of Elk Cr.	A73
A830-0816	Animas upstream of Cascade Cr.	A75
A830-0817	Bakers Bridge	Bbridge

Herron, SGC, USGS, CRW, ARSG (often previous site designations)

~~NATION~~ ~~Other~~ ~~Allia~~ ~~OTHER~~ ~~AL~~ ~~USGS~~ ~~AML~~ ~~MISNOM~~ ~~N~~ ~~SAMPLE~~ ~~NUMBER~~ ~~DATE~~ ~~TIME\_24HR~~ ~~AGENCY~~ ~~COMMENT~~

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6/13/2014	15:15
6/23/2014	13:15

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5/13/2014	16:05
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5/27/2014	11:30
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6/23/2014	13:45
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7/26/2014	14:00
7/30/2014	16:40
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7/20/2014	14:00
7/9/2014	15:10
7/29/2014	9:45
7/29/2014	14:55
7/29/2014	16:30



TYPE	PURPOSE	LAT_DD	LONG_DD	ELEV_FT	flow_CFS daily mean	FLOW_CFS	ST_Q_GPM	PH	pH-lab
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37.81900107.64421





	as CaCO3=	mg/l	Mg/l	Mg/l			
TEMP_C	field Cond.	lab cond.	HARD_MG	Field Alk	Phen_Alk	Total alk.	ACIDITY CA_TOT_NCA_DIS_M
			73				21900 23000
			118				36000 38600
			115				37100 39800
			124				40900 43700
			121				40000 42600
			121				39000 42600
			122				40800 43300
			128				42600 45700
			112				37400 40200
			114			35.3	38000 40900
			78				27000 28900
			111				37100 40200
			111				36600 39900
			113				37400 40700
			117				40200 42100
			120				40500 43500
			58				19600 20700
			114				39000 41000
			144				49100 51200
			142				47600 50200
			83				25600 27900
			85				28400 29200
			83				24300 25700
			92				28400 31900
			26				5740 6260
			143				43500 47100
			121				37600 39900
			121				37400 39500
			99				30200 33400
			66				15700 17200
			179				54800 59400
			178				53900 58700
			168				52000 56300
			625				213000 228000
			412				144000 153000
			194				58900 64000
			124				42200 43900
			411				138000 147000
			179				60400 61800
			1170				420000 426000
			1170				416000 427000
			110				33500 35800



1000		356000	358000
961		341000	344000
495		169000	166000
537		201000	201000
92		31500	33500
287		106000	107000
283		102000	104000
413		145000	147000
393		140000	140000
245		441000	88700
72		686000	26000
70		122000	25000
92		27000	27500
66		116000	23700
67		24300	24300
336		118000	123000
95		30800	32100
118		29800	41300
368		39600	129000
72	26	25600	25700
87	15.4	30600	31000
77	18	27100	27100
530		202000	193000
59		19400	19200
60		20700	20500
169		59400	60300
175		64100	62100
201		72500	71300
145		52300	51800
149		52200	53000
159		56700	56800
180		63700	64600
36		10500	10500
34		10200	10400
38		11200	11300
538		193000	196000
380	15.6	138000	140000
119		42500	42200
177		61200	62200
227		82500	82700
1200		463000	433000
1180		455000	427000
256		90400	89200
1210		448000	436000
510		199000	189000
48		17500	17000
130	5.22	49200	47600

131	6.5	49500	47800
35		10900	10600
61		18500	18700
534	71	208000	203000
38		12300	12200
1020		378000	373000
44		14900	14900
58		19000	19400
133	6.22	49200	48600
83	15.9	30500	29300
1080		371000	395000
520		191000	189000
168	41.6	58500	61400
117	52.1	41300	43300
102	41.2	36500	38100
104	43	38100	38900
174	35.3	63700	63500
172	31.2	61600	62700
173	35.7	61300	63300
174	32.8	62200	63700
297	5.26	105000	109000
295		103000	108000
263		92400	94900
261		91100	94300
266		93300	95900
251		88900	90300
217	5.54	75600	77600
27	9.88	6870	7090
193	9.6	65300	68400
124	95.2	35800	36900
191	9.52	66300	67700
1140		420000	399000
183	27.6	61200	63300
64		15800	16200
75		17800	17900
158	22.7	54600	55700
120		39600	41200
174		55900	57800
175		57000	58500
213		70800	72600
241		81300	83600
610		215000	221000
441	27.1	159000	163000
169		55600	56200
108		37500	37900
741		272000	268000
275		96000	97900

283		100000	102000
1210		443000	439000
1210		444000	439000
1220		454000	445000
1040		388000	381000
1040		376000	379000
889		316000	309000
598	9.35	227000	224000
102	6.82	37900	37600
423		163000	158000
468	11.5	180000	174000
798		292000	287000
747		273000	269000
1290		469000	463000
1280		461000	458000
795		290000	286000
1020		344000	342000
625		230000	227000
622		233000	226000
520		191000	188000
522		192000	189000
124		34100	34100
508		186000	183000
504		184000	181000
508		185000	183000
515		188000	186000
520		191000	188000
529		193000	192000
791	25.2	292000	289000
877	16.3	318000	319000
305		98300	98300
517		189000	187000
525		187000	190000
518		188000	188000
612	73.8	231000	234000
522		189000	190000
529		194000	193000
527		192000	192000
516		191000	188000
515		189000	188000
515		192000	188000
545		190000	199000
172	37.4	60000	62900
597		209000	217000
123		32500	33700
532		184000	192000
537		191000	196000

537		190000	196000
1220		432000	443000
403		142000	146000
220		75100	77300
225		76800	79200
461		160000	164000
304		103000	106000
	25.3	21900	23100
	36.8	24000	25900
	26	24200	26400
	29.9	27900	28000
	22.8	22700	22600
	24.3	22700	23400
	24.3	22900	22800
	22.6	15200	15500
	28.7	23900	23800
	13.3	28900	29100
	16.5	24400	25100
	11.4	12000	11600
	9.39	5500	5610
	53	16400	16800
	16.1	21200	21200
	46.6	18300	18000
	14.7	20900	20800
	25.7	19500	19400
51		16900	16900
331		115000	120000
43		15100	14100
83		28200	29400
39		13100	13300
1240		470000	453000
1150		423000	419000
128		41700	41700
546	8.39	224000	205000
43		14800	14600
97		37000	34900
136		49200	48900
109		39000	38100
90		31400	31100
1220		445000	439000
145		48400	51200
136		47500	48100
26		7520	7790
70		21000	21400
124		41600	43900
581		232000	222000
129		46000	46000

192		69500	70200
79	13.6	27200	27800
66		21700	22300
133	28	49000	48200
131	29.9	48000	47700
151	35.2	54300	54300
182	29.6	63300	64500
133	29.1	46400	46700
127	28.9	41500	41700
	28.6	28400	29100
	28.1	28500	28400
	20.8	23600	23200
	28.5	27700	28100
	10.2	28400	28700
	20.3	27500	27500
	14.3	28500	28700
	21.7	27500	28200
	65.2	17200	17300
	20.7	31500	31500
	38.8	35800	36600
		30500	30700
		17800	17700
	10.2	23900	23900
		20800	21300
	19.1	24200	26000
		23200	24000
160		58300	57200
57		19000	19600
1180	15.4	433000	429000
233		70200	70300
586		219000	220000
292		109000	108000
221		80300	80400
184		63300	64600
1260	13	442000	453000
207		73800	72100
167		57600	58600
23		6930	6880
134		46600	47100
126		43900	44600
		32300	32200
103		37600	37900
63		22600	23000
53		18600	19200
50		17500	18200
53		18800	19100
64		22700	23400

65	23200	23500
93	33600	34100
74	26200	27000
92	32500	33600
134	49000	49000
73	25500	26400
70	25700	25400
55	20000	20000
60	21200	21700
74	25600	26900
81	28500	29300
123	43200	44900
119	41300	43300
96	31600	34800
120	42000	43500
89	30900	32100
99	33800	35600
76	25400	27000
75	25200	25800

Totals

Ca as Ca	CCMG_TOT	NMG_DIS_NAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS
	3800	3730	2470	880				
	5140	5180	3620	1930				
	3880	3890	1200	76.1				
	3630	3650	868	80.4				
	3500	3560	639	68.3				
	3450	3540	658	63.5				
	3240	3310	308	39.1				
	3280	3320	283	46				
	2810	2870	208	37.6				
	2860	2910	188	61.4				
	1420	1380	28.6					
	2670	2660	174	43.3				
	2690	2720	168	64.9				
	2650	2730	150	63				
	2780	2790	160	54.7				
	2860	2850	174	59.9				
	1420	1440	37.8					
	2720	2790	164	73				
	3820	3920	1110	38.9				
	3790	4010	933	36.9				
	3000	3170	612	43.1				
	2900	2930	562	61.8				
	4350	4540	296	87.7				
	2870	3010	534	66.2				
	2230	2400	278	56.7				
	6050	6250	348	40.4				
	5320	5300	449	51.1				
	5430	5310	612	60.7				
	3660	3750	399	76.9				
	5410	5570	6160	6290		6.49	5.5	
	7370	7540	2100	1430				
	7420	7570	2090	1350				
	6620	6700	2050	1720				
	13200	13300	3570	3570				
	7370	7370	285	244		8.81	8.72	
	8070	8270	1500	1510				
	3470	3540	2220	2260				
	10200	10400	2630	2010				
	6020	6020	1850	1640				
	25600	24900	4250	3920				
	25100	25000	4140	2370				
	5060	4970	2320	2080				

26800	26400	33100	32700		
25400	24800	29000	28200		
20600	19800	20100	19400		
8600	8350	957	757		
1980	2030	521	122		
5090	4920	874	204		
5920	5700	1450	193		
11500	11200	5210	4540		
11100	10500	4200	3410		
29600	5810	4780	871		
47200	1720	17100	504		
8730	1760	3550	670		
5420	5530	8720	8760	10.2	11.5
8220	1650	4960	976	3.52	
1580	1580	938	938	3.09	
6940	7060	3190	3170		
3740	3690	429	68		
9290	3680		46		
3590	11300	1260	7850		
1810	1800	154	57.2		
2350	2340	701	32.4		
2350	2330	824	45		
12300	11800	2960	2840		
2580	2570	1060	894		
2140	2080	1050	837		
4460	4550	1470	1310		
5030	4920	2290	2090		
5620	5600	2400	2310		
4030	3770	2270	1190		
4030	3960	2030	1440		
4320	4270	2710	2410		0.513
4480	4510	2690	2470		
2340	2360	2050	2050		2.56
1880	1870	1470	1470		0.905
2320	2290	2270	2210		0.592
11900	11900	2890	2890		
7160	7180	420	368	10.1	8.12
3330	3360	2010	2020		
5270	5360	3600	3690		
5060	5070	2900	2900		
29700	27900	4800	2750		
28900	27600	4750	4370		
8130	8080	7690	7490		
31700	30500	5350	4890		
9290	8880	1440	1030		2.54
1430	1290	1710	144	0.506	
2700	2670	827	198		



3030	2910	1420	93.7		
2190	2000	3180	2170	9.75	1.25
3520	3470	2320	2100		
6500	6260	541			
1790	1760	886	720		
22200	22100	21200	21000		
1730	1700	759	425		
2370	2370	1080	833		
3010	2920	1410	105		
2380	2280	715	34.8		
21800	22000	20900	21000	3.02	2.52
12000	11700	2930	2850		2.54
3550	3670		42.7		
2040	2090				
1720	1760		22.4		
1650	1670				
3740	3730		62.2		
3670	3660		53.1		
3630	3680		51.7		
3680	3700		49.1		
6250	6360	2520	603		
6100	6280	2460	1690		
6250	6380	2780	309		
6200	6350	2620	342		
6330	6460	2710	418		
6170	6210	2420	44.8		
5510	5660	1980	39.1		
2310	2340				
5130	5290	830	21.3		
7680	7820		34.4		
5210	5260	1790			
36000	34400	31800	30700		
5970	6060	234	26.2		
5610	5760	5330	5460		0.743
7350	7430	11500	11700	13.1	1.56
4540	4600	280	134		
3960	4130	346	341		
6790	7070	1290	1240		
6910	7140	1260	1070		
7430	7610	2600	2360		
7650	7790	2760	2700		
13500	14000	3430	3540		
8160	8330	224	234	11.1	9.1
6750	6890	1190	1060		
3100	3140	1930	2010		
17300	17200	4220	2950		
7120	7280	2360	2410		

6760	6910	2240	2290		
27600	27500	4540	4530		
27700	27400	4410	2580		
27800	27600	4840	2420		
21700	21600	18100	18200		
21900	22400	20100	20500		
28600	28500	28100	28300		
9320	9290	880	717		
2060	2060	470			
7110	6980	1320	320		
8420	8260	1690	295		
19500	19600	7090	7010		
18200	18000	7130	6840		
32200	31900	5150	4970		
31900	32000	5610	5370		
19800	19700	7750	7600		
40800	40800	37100	37300		
13800	13800	4560	3950		
14000	13800	4660	3900		
12500	12400	6200	5770	2.68	
12300	12400	4990	4930		
9570	9510	24500	25000	39.7	35.1
12600	12500	9470	9240	10.7	6.69
12700	12400	9410	9070	11.1	8.4
12700	12400	9580	9140	10.7	7.55
12800	12500	9380	9050	9.03	4.42
12300	12100	8860	8560	6.92	
12400	12200	8930	8580	6.73	3
17000	16700	406		2.68	
19500	19400	295	187	3.33	
14500	14400	9920	9690		
12200	12000	8600	8290	6.29	
12100	12100	8530	8400	7.16	
12200	12000	8530	8160	6.11	
6970	6930	496	161		
11400	11400	7510	7350	6.1	
11600	11400	7550	7290	6.59	
11400	11400	7710	7540	5.94	
11400	11200	7800	7460	4.9	
11300	11100	7670	7480	4.81	
11500	11100	7890	7520	4.92	
11400	11600	7800	7660	4.67	
3650	3690				
13500	13300	3440	3200	2.53	
9380	9520	24600	24500		37.6
12500	12600	6300	5790		
11400	11500	7770	7600	4.82	

11400	11500	7780	7630	4.3	
27400	27700	4870	2430		
9000	9040	4510	4440		
6420	6460	3390	177		
6620	6690	3670	373		
12800	12800	8030	7810		
9110	9340	2940	1510		
1660	1720	817	48.7		
1190	1280	57.1			
1740	1900	370	49.8		
1970	2000	322	70.4		
1690	1640	343	70.5		
1700	1690	698	81.4		
1700	1650	653	76.7		
1140	1190	57.6	37.3		
1740	1730	534	93.3		
2260	2290	938	58.9		
2110	2080	1280	73.1		
2100	2030	666	83.1		
1960	2020	323	91.7		
3590	3760	131	81.6		
2200	2070	1650	84.2		
3030	2980	485	93		
2160	2030	1630	86.7		
2460	2340	1310	84.2		
2350	2170	1930	1030		
7280	7400	1320	1310		
2200	2020	1090	925		
2630	2410	2680	1150		
2400	1400	4740	761	4.45	
29200	27200	4800	4310		
26400	25500	4940	3820		
6190	5900	6410	5330		
9010	8230	1310	815		
1550	1540	2050	1380		
2750	2310	3570	1450		
5350	3300	8850	1540	15.8	
4260	3370	4740	1760		
3790	2980	4680	1770	5.09	
31100	29500	4870	4070		
4310	4070	3340	2080		
3970	3870	2620	2020		
1590	1610	2100	1910	5.06	1.32
3960	3960	2880	2590		
3410	3570	2260	2290		
6820	6470	473	270		
3630	3530	2690	2290		

3970	4000	1960	1930		
2330	2340	1270	62.6		
2540	2570	734	756		
3000	2980	67.8	24.8		
2970	2980	71.2	40.8		
3590	3600	438	82.9		
4880	4980	1620	32.2		
4080	4080	1260	36.9		
5590	5550	843	69.1		
2070	2030	376	54		
2090	2010	392	58.1		
1210	1160	141	22.9		
2020	1970	452	52.5		
2120	2060	549	116		
2040	1920	514	84.8		
2050	2000	454	89.9		
2030	1970	547	93.1		
1460	1390	335	72.8		
2280	2150	508	112		
3000	2820	2340	37.4		
2770	2680	1050	38.6		
2520	2450	640	64.6		
2600	2470	1040	58.9		
3720	3690	350	67.8		
2600	2630	1060	58.1		
3210	3180	734	79.3		
4280	4100	1930	1600		
1870	1860	1270	1130		
27000	26100	4530	4210	2.59	
14300	13900	14400	13900	10.4	12.4
9030	8920	1070	437		
5170	5140	1820	1180		
4930	4900	2020	954		
5470	5530	3230	2940		1.09
30400	31500	4760	4530	3.38	
6840	6620	4400	3970		1.02
5010	5080	3200	2940		0.703
1640	1530	2530	2020	3.83	1.94
4070	4030	3210	2670	4.11	0.514
3770	3620	3280	2360	4.43	
2950	2830	2610	35.5	3.24	
2180	1970	219	63.6		
1540	1280	744	57.5		
1470	1130	1350	38.8		
1360	1160	776	32.5		
1350	1210	348	36.6		
1480	1410	149	38.8		

1480	1410	135	45.9
1940	1820	95.7	56.4
1630	1610	138	48
1870	1930	89.9	44.5
2970	2850	1030	36.2
1870	1640	1400	41.8
1830	1630	768	42.7
1580	1310	951	56.8
1520	1490	518	67.2
1790	1770	387	27.4
1940	1960	442	29.9
2810	2700	788	28.3
2660	2630	722	13.2
2200	2250	529	25.7
2700	2700	756	26.6
2130	2160	432	55.3
2340	2350	834	28.5
2110	2100	568	46.8
2560	2590	835	67.2

B_TOT	B_DIS	BR_DIS	SB_TOT	SB_DIS	BA_TOT	BA_DIS	BE_TOT	BE_DIS	CO_TOT
						16.6			1.91
						18	6.14	5.23	1.65
						16			0.797
						16			0.72
						15.3			0.615
						18			0.553
						21.8			
						21.3			
					29.7	28.7			
					29.9	29.1			
				4.76		21.3			
					27.2	26.9			
					27.8	26.3			
					26	26.3			
					25.5	26.2			
					26.1	25.9			
					30.3	28.7			
					25.2	25.7			
					25.5	26.5			2.87
					27.1	28.6			2.46
					32.8	33.6			1.46
						22.5			1.2
					65.9	66.3			
						23			1.3
					35.8	38.7			0.576
					40.6	42.8			
					37.5	35.1			
					45.6	32.8			0.506
					37	33.2			0.831
						19.7			6.58
					32.1	32.6			0.547
					29.5	32.5			0.609
					29.8	31.9			1.27
							3.84	4.48	18.7
									4.87
					36.4	37.7			
						11.7			7.44
									20.7
						27.8			1.43
									86.1
									82.3
						21.5			3.8

					100
					96.4
					49.7
					14.3
		11.4			1.53
					7.46
					5.51
					25.9
					22.8
					121
					17.8
					15.9
	26.6	28.8			13.7
					15.3
					14.7
					1.35
	31.3	32.3			0.583
		25.4			
					2.62
		16.5			
		17.2			1.57
		17.4			1.58
			3.1	2.99	20
		153			
		16.1			0.708
		15.3			9.95
		13.6			10.6
		13.8			13.2
		12.1			7.53
		12.6			7.5
		14.5			8.22
		15.5			8.04
		14.7			2.73
		15.8			1.02
		15			1.98
			3.31	3	21.7
					6
		6.95			7.08
		10.8			6.39
		10.8			0.832
					103
					100
		7.3			21.6
					145
					16.4
		8.96			2.8
		8.67			4.97

	8.65			3.4
34.3	23.4			4.72
	20.3			9.08
	8.52			1.53
				74.1
	16			
	13.5			0.668
	9.03			3.27
	15.9			1.49
	7.45		5.54	70.5
	8.73	3.31	3.11	19.5
26.2	26.5			
31.5	31.3			
	10.8			
	11			
26.6	25.5			
25.4	25.7			
25.3	25.3			
25.6	24.8			
	20.2			8.65
	20.4			8.3
	23.1			7.85
	23			7.51
	22.9			7.95
	25.3			6.97
25.9	27.2			5.66
38.2	40			
25.4	27.1			3.62
75.4	82.7			
27.1	27			4.29
				183
34	32.3			1.93
	7.73			6.28
				13.6
36.4	36.4			
25.7	25.2			
29.3	30			
29.6	30			
28.3	28.3			2.39
27	26.5			2.29
			3.75	21.6
				4.62
30.2	29.5			
	8.39			6.49
				48.7
25.5	23.8			1.97



23	1.98
	93.6
	99.6
	97.6
	71.5
	71.9
	84.3
	14.3
	1.07
	9.63
	7.48
	58.7
	50
	139
	137
	62.9
	151
	32.9
	33.8
	29.8
	29.1
	38.9
	33.7
	34
	34.7
	34
	31.7
	31.3
	31.2
	33
26.7	36.6
	30
	31.2
	31.4
	25.9
	26.5
	26.3
	27.1
	25.4
	23.1
	22.7
26.7	21.8
25.2	31.6
	27.8
	23.2

		23.4
		91.1
		1.61
25.2	25.4	6.6
25.7	27.1	7.02
		14.9
		18.9
26.9	16.8	
	18.1	
	17.4	
	18.2	
	14.9	
	15.5	
	15.2	
	20.4	
	15	
		1.65
		1.66
28.3	25.4	0.932
30.5	29.2	
34.8	35.1	
25.9	15.2	1.83
45.6	43.6	
	15.4	1.85
28.2	20.8	1.49
33.8	15.8	1.2
		11.5
	15.6	0.601
32.3	15.6	6.07
66	17.7	3.54
		104
		92.4
		14.8
		12.8
	9.92	6.83
		8.89
189		8.29
		9.81
		8.3
		139
		9.98
		8.6
34.8	29.5	4.7
33.7		10.1
		7.57
		7.28

		1.59
	26	
25.1	23.9	
	21.8	1.44
	22.2	4.11
	21.3	2.87
38.3	33.7	1.54
	20.1	
	21.1	
	18.1	
	20.3	
	20.7	0.596
	20	
	19.5	
	19.5	0.574
27.7	26.2	
	20	0.703
35.1	20.4	3.36
	20.4	2
31.8	29.3	1.08
	18.8	1.59
52.7	49.6	
	19	1.63
32.1	27.2	1.08
	14.1	11.2
	14.8	2.28
		101
	6.56	34.6
		15.3
		11.4
	9.94	7.58
	11.2	15.9
		151
	11.5	19.4
	11.8	12.9
41.2	27.7	4.74
	14.4	9.71
34.9	18	8.9
34.6	19.9	2.86



CO_DIS	CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_MFE_TOT	FE_DIS
1.95	5.79	5.71	16.1	16.3				
1.7	6.09	6.27	22.6	19.2			178	123
0.831	3.23	3.36	22.9	5.59				
0.693	2.55	2.47	18.3	4.95				
0.639	2.32	2.31	13.9	4.63				
0.598	1.99	2.18	13	4.45				
0.353	1.35	1.34	6.3	3.36				
0.323	1.36	1.37	5.88	2.94				
0.251	0.878	0.877	4.62	2.59				
0.251	0.985	0.863	3.89	2.44				
	0.868	2.53	4.99	4.39				
0.235	0.929	0.986	4.13	2.8				
0.231	0.988	0.932	5	3.43				
0.232	0.93	1.01	4.64	3.45				
0.236	0.944	1.05	4.96	2.97				
0.442	1.01	1.13	5.11	3.46				
0.14	0.862	0.781	2.78	1.7				
0.37	1.09	1.08	4.69	3.32				
2.98	1.11	1.19	10.3	3.02			1340	443
2.66	0.968	1.01	8.29	1.92			1080	115
1.65	0.584	0.572	4.3	1.42			569	104
1.3	0.51	0.517	4.06	2.01			585	
0.233				1.01				
1.26	0.505	0.542	4.39	1.91				580
0.569				0.522				
0.222		0.184	2.98	1.37			448	
0.216		0.134	3.59	1.82			525	
0.171			4	1.79		1.01	743	
0.905		0.354	2.82	1.89			317	
7.24	58.8	54.2	1510	1700			12500	13100
0.694	10.7	12	136	146			729	
0.692	11.1	11.9	142	143			699	
1.36	12.5	14.1	151	164			681	215
22.6	61.6	65.3	18.7	25.8			25000	24900
5.83		0.526	3.11				5270	4750
0.402	10	10.9	21.5	27.5				
6.86	22.3	23.1	17.7	14.7			9240	5860
21.1	13.6	14.6	118	104			18000	16800
1.52	10.7	12.2	138	132			613	199
86.5	23.9	22.7	20.1	17.8			87400	82000
88	23.1	23.7	18.4	15.3			88200	81600
4.02	3.76	4.31	162	158			1620	1180

100	88.6	88.6	5020	4960	93900	91300
93.9	77.7	77.7	4800	4490	89700	86800
48.2	44.8	46.4	1810	1610	42100	40900
14.2	1.66	1.63	8.95		18800	17800
1.56		0.246	6.52	3.69	264	
7.28		1.01	9.89	4.42	7810	7130
5.15	1.29	1.3	18.1	5.48	3700	1670
22.1	16.7	15.6	287	228	35000	17600
20.8	16.4	16.9	257	216	20200	19000
115	1.58	1.89	8.3	7	137000	26600
14.6	10.5	9.14	152	110	60700	1700
15.1	8.34	8.87	123	106	10700	1880
13.1	4	4.16	135	121	17500	17500
14.6	5.8	5.61	83	73.2	12100	2160
13.7	4.66	5.08	76.1	65.3	1420	1420
1.77	11.3	12.5	83.5	92.1		
0.637		0.284	4	1.76	423	
2.6		0.387		1.48		858
12.6		57.8	4.88	542	1510	3290
	0.921	0.866	5.86	4.33	111	
1.54	0.957	0.902	12.2	4.36	1280	780
1.5		0.284	5.71	1.69	1170	512
21.3	35.5	36.9	19.2	22.1	29800	23200
3.58	5.15	55.4	125	1240	334	112
0.699	4.82	4.66	89.3	88.7	661	128
9.66	7.43	7.91	91.2	88.2	7480	7170
10.5	8.31	8.69	176	172	7910	7070
13.7	8.31	8.7	168	171	9720	9080
7.31	4.96	4.84	105	92.2	7240	3410
7.72	4.06	4.23	82	80.5	6590	4120
8.29	3.33	3.42	78.3	77.4	7130	5880
7.99	2.81	2.91	61.5	61.2	6510	5360
2.54	18.4	17.2	571	558	5030	4860
1.1	11.8	12.7	281	285	1780	1790
2.03	16.6	17.2	610	633	2540	2380
20.6	36.8	35.9	22.6	20.8	25600	23900
5.92	1.83	1.73			9530	6120
6.65	15.7	16.5	15.5	15.1	3910	3930
5.85	24.6	25.1	424	388	2160	2020
0.665	10.1	10.2	118	113	456	245
107	34.7	33.2			96800	87900
105	32.1	33.6			96100	88700
21.1	18.1	17.6	924	925	12200	10900
148	2.14	2.55			140000	134000
17.1	3.24	3.09	35.1	20.5	23000	21200
2.53		0.254	13.5	4.52	5080	
4.55	0.903	0.78	14.1	6.92	4130	3440

3.31	1.09	0.958	22.2	5.83			3320	1190
4.97	2.39	2.6	178	185			7600	4180
8.76		0.529	31.6	31.1			8520	7260
							2680	
1.57	1.58	1.47	78.4	78.6			903	177
75.2	56.4	57.1	3730	3800			50300	46800
0.412	5.26	5.07	148	141			591	132
0.512	5.75	5.58	119	102			557	109
3.28	0.901	0.966	21	5.87			3220	1200
1.42	0.756	0.873	11.7	3.87			1260	712
67.5	54.1	50.5	3540	3320	4.02		49500	46700
18.9	34.4	35.9	18.3	17.3			25200	23300
	1.01	0.594		0.695				
	1.85	1.48	6.38	4.66	2			
	0.515	0.235	3.1	2.77	2.57			
		0.214	3.3	0.913	1.72			
	1.29	1.19	4.46	2.73				
	1.51	1.32	3.82	1.95				
	1.56	1.31	4.04	1.9				
	1.51	1.29	3.82	1.26	5.16			
7.71	2.97	2.74	27.8	16.3			5100	2180
7.64	2.71	2.67	27.1	24.8			4890	2270
7.77	2.02	1.9	18.1	8.7			4640	2480
6.77	2.12	1.83	18	9.52	2.34		4240	2210
7.24	2.1	1.85	18.2	10.5	1.83		4390	2150
6.9	2.2	1.7	15.9	4.3			3210	1020
5.36	1.47	1.4	13.1	3.08	5.83		2790	810
				0.732				
3.63	1.12	1.06	5.19	0.732			1060	
					1.23			
3.44	1.29	1.05	12.6	0.593			2330	
200	6.57	6.49	61.8	71.4	8.82		32800	31000
1.85	0.832	0.704						
6.78	46.7	46.1	1300	1460	5.8		3920	3800
13.8	153	136	6280	5920	7.61	1.02	12600	10400
	1.9	2.08	38.8	20.5	5.95	1.04		
	6.15	6.54	69.7	76.5	7.19			
	12.3	13.3	84	88.7	7.59			
	12.3	13.1	82.2	88.9	7.18			
2.48	17.9	19.2	181	185	6.62			321
2.39	17.9	19.5	174	182	6			303
23.7	48.4	48.6	15.2	16.2			28300	27200
5.19	0.541						7700	6510
	10.4	11.6	95.8	103	5.6			
6.7	19.3	20.9	16.8	17.3	5.91		6290	6400
56.6	22.7	24.7	74.8	84.6			43100	41500
2.19	15.7	16.9	152	159	6.49			165

1.92	14.3	15.5	131	130	7.15		128
110	32.4	34.2				93400	91000
103	31.5	31.2			5.61	92500	90000
96.2	30.8	31	13.5	4.52		94400	88500
69.1	49.9	50.5	3660	3420	9.85	5.15	68400
72.1	56.8	59.4	4260	4040	6.02	10.2	61700
78.6	67.3	67.3	3370	3000	6.86	8.74	58800
12.3	1.85	1.71	4.95			19700	18200
1.07			6.14	4.18			
9.85	1.66	1.49	11.8	2.63	5.08	11800	9810
7.82	2.03	1.78	15.1	3.15	5.03	3970	2550
56	24.3	24.7	351	333		37000	35400
48.4	26.1	26.6	415	370		39100	34700
131	1.8	2.25				148000	141000
135	2.36	2.29	4.84	3.14		140000	137000
58.4	26.4	25.5	384	339		42700	38700
140	142	141	1170	1060		18900	18300
31.4	13.1	12.8	191	169		19700	14900
30.6	13.5	13	193	171		22300	17400
27.6	10.3	9.96	144	123		19400	13300
27.1	10.5	9.92	147	126		19200	15400
31.4	3.9	3.96	20.9	17.5	5.55	61100	59800
32.8	8.06	8.38	110	107		30200	26000
32.3	8.46	8.38	111	107		32400	29000
33.4	8.44	8.24	112	106		31900	28500
34.1	7.68	8.26	108	106		27900	24800
31.2	7.19	7.25	102	93		22100	19100
33.6	7.72	7.36	96.3	98.2		26100	23000
30.1	1.72	1.15	9.34			16300	5050
34.1	2.18	2.17				17000	13200
38.6	1.65	1.72	36.6	36.2		17000	16900
31	6.94	7.01	95.4	95		18100	15000
31.6	7.36	7.27	94.3	95.9		22300	19700
33.3	7.93	7.01	95.9	95.9		18400	15700
	0.58		5.97			2560	525
27.2	6.67	6.37	86.1	89.4		16000	12400
26.6	6.76	6.15	85.4	86.7		14800	10600
25.3	5.73	6	80	78.8		15700	11100
25.6	5.7	5.3	74.5	73.3		15900	11800
24.6	5.74	5.06	73.7	74.4		15100	11300
25.4	5.95	5.34	68.9	73.4		15400	11400
25.8	5.51	5.63	66.9	78.3	13.6	14400	11500
	1.34	1.14	4.24	4.02	5.98	9.6	
22.6	46.4	46.6	16.8	22.9		28000	26800
38.2	4.13	4.23	16.9	20.8		11900	60000
31.9	10.1	10.8	131	150		18700	13600
24.7	5.44	5.45	68.7	76.1		14600	8580



25.2	5.49	5.82	68.6	76.1		15100	11700
102	31.7	31	10.4	5.75		88500	88600
1.86	17.9	17.4	131	148			
7.36	0.701	0.905	5.57	3.76		4630	3510
7.6	0.75	0.65	7.95	4.69		4740	3600
16.1	53.6	52.9	466	516		2610	2520
21.1	14.8	15.8	111	85		17900	16800
	1.62	0.742	46	8.42		635	
	1.21	1.09	15.2	6.35	1.17		
	1.33	0.737	33.1	7.81		257	
	1.17	0.996	21.7	9.6		218	
	1.25	0.891	20.1	8.46	5.22	130	
	1.3	0.906	25.7	8.91	5.34	699	
	1.39	0.868	24.9	9.12		669	
		0.547	3.18	2.65			
	1.45	0.969	28.9	10.3		437	
1.61	1.42	1.01	26	7.61		2680	628
0.919	0.989	0.743	22.8	5		4210	249
0.449		0.251	8.49	2.04		1520	120
0.254				0.623		101	
				0.5	1.8	104	
0.528	1.04	0.531	21.5	3.67		4810	137
					1.29	326	
0.556	0.953	0.487	20.6	3.65		4610	144
0.283	0.725	0.313	16.3	3.49		3560	
1.01	7.34	7.43	142	134		2480	741
10.6	16.9	16.7	10.1	10.5		14800	14400
0.62	7	7.01	146	153		690	487
4.87	6.08	5.57	88	72.3		8180	2880
1.49	4.64	4.44	103	69.1	5.23	10800	282
97	34.5	33.9				102000	96800
88.6	35.5	33.5	55.4	51		87000	83200
13.9	12.5	11.6	547	523		26200	11700
13.3	3.34	2.76	43.6	29.7		20000	17600
6.12		0.316	27.3	24.1		7020	2110
7.04			33	26.9		14200	3620
6.35	2.52	1.42	57.4	37.7		44500	1150
8.1	7.12	6.53	130	119		21400	4870
7.47	6.98	6.31	146	158		18400	4090
129	3.39	2.74	5.65			155000	152000
9.73	7.46	7.04	114	122		11900	5090
8.57	4.96	5.84	94.3	94.8		10100	4870
4.39	2.98	2.86	172	152	5.53	6330	3800
10.4	0.783		42.8	41.4		10300	8840
8.07	3.52	3.83	85	84.8		10500	5460
						2430	
7.52	3.31	3.2	80.1	79.3		17200	4360

	4.45	4.38	22	20			160	
1.41			9.16				2720	554
	6.56	6.47	100	106				
0.17	0.517	0.58	2.63	1.85			144	112
0.207	0.596	0.582	3.32	2.07			142	
1.28	3.2	3	20.5	5.99			334	
4.28	2.18	1.79	19.3	2.48			3850	557
2.69	1.43	1.02	13.5	2.14			2730	
1.35	0.689	0.533	7.87	2.49			1460	
0.218	1.23	1.06	27.1	15.2			402	
0.21	1.33	0.97	25.9	13.4			413	
	0.842	0.878	11.4	7.55			133	
0.2	1.17	1.01	27.1	12.6			408	
0.409	1.83	1.51	33.5	16.5			427	
0.323	1.49	1.35	29.2	14.3			497	
0.315	1.37	1.31	29.9	14.1			420	
0.47	1.5	1.4	30.3	13.9			675	
0.153	1.11	0.939	7.29	4.18			521	
0.576	1.52	1.33	27.2	11.3			536	
2.84	1.65	1.4	34	6.38			7200	913
1.77	1.27	1.09	22.5	4.91			2580	284
0.99		0.564	11.8	3.79			1400	157
1.13	0.896	0.694	17.9	4.05			2440	
				1.62	1.53		307	
1.14	0.924	0.711	17.9	4.21			2530	
0.695	0.601	0.422	11	3.72			1530	
11	8	8	93.7	91.2			8460	7600
2.28	5.6	5.85	96.5	105			923	571
103	26.6	28	16.7	17			96700	95400
32.4	23.9	20.4	1390	1380	5.07	5.23	67900	68200
16.1	2.28	2.04	28.3				18700	9380
10.6	1.43	1.24	36.4	25.2			8140	6710
6.72	3.38	3.24	52.1	40.5			4510	1640
15	8.27	8.35	206	189			15100	13200
141	2.26	2.19	9.37	7.43			151000	154000
17.7	14.9	14.9	267	245			10900	13600
11.5	8.3	8.28	156	137			11700	8440
4.11	2.2	2.17	95.4	81.3			5190	3730
8.77	4.58	4.65	93.4	83.2			15300	6700
7.32	3.67	3.83	80.4	65.4			16600	4590
1.99	0.684	0.563	22.4	3.14			6330	545
	2.04	1.95						
	1.61	1.2						
	2.09	0.812						
	1.22	0.922						
	0.977	0.928						
	0.985	0.997						

0.773	0.873
0.807	0.714
0.762	0.836
0.658	0.828
1.74	1.83
1.53	1.24
1.1	1.11
1.02	0.776
0.746	0.865
0.826	0.88
0.868	0.802
0.995	1.01
1.03	1
0.814	0.871
0.941	0.969
0.652	0.685
0.787	0.786
	0.449
	0.274

Ferrous	HG_TOT	HG_DIS	LI_TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT
					1160	1150		2.47	9.79
					9070	9010	4.75	4.73	7.65
					2670	2640		0.963	4.32
					1810	1790		0.755	2.5
					1660	1670			1.93
					1560	1560			2.62
					810	823			1.12
					832	826			1.89
					531	524			1.7
					482	469			1.86
					3.02				3.55
					424	416			1.82
					481	464			1.98
					576	569			1.72
					630	614			2.84
					862	860			1.96
					25.5	23.5			3.46
					835	826			2.01
					884	863		1.1	3.42
					813	811		0.895	2.56
					395	419		1.89	1.65
					381	363		1.02	2.09
					16.2	8.56		2.44	
					385	371		0.995	
					16.8	15.2	2.5	2.95	
					122	78.7			3.02
					128	55.2			3.62
					133	40.2			5.64
					272	254		0.673	1.22
					4780	4790	6.1	6.93	27.9
					2960	2920	3.03	4.44	3.59
					2990	2970	3.67	4.91	4.06
					2960	2900	3.13	4.42	8.74
					28000	27500	3.53	9.31	226
					2540	2510			1.45
					159	155	6.28	9.13	3.29
					1950	1990		3.83	38.3
					9220	9190	5.12	11.8	21.1
					2530	2570		4.21	7.87
					33300	33500	25.6	37.7	73.8
					33700	33500	21.9	40.4	68
					475	480		2.49	3.3

36000	35300	34.7	50.6	
34800	33000	34.8	45.4	
12900	12700	16.3	24.9	5.88
2480	2410		9.37	2.4
73.2	73.3		0.798	
1160	1150		3.99	1.38
934	924			3.61
10300	9990		11.3	39.2
9770	9610		10.4	19.3
46600	9020	31.4	39.5	2.32
35100	1230		5.41	14.2
5650	1160		6.21	13.9
649	634	4.62	9.6	58.5
4170	817		6.53	14.5
710	710		5.88	13.3
3410	3460		5.3	5.35
224	192			2.32
	221		0.505	
226	15800		9.18	2.11
715	699			2.79
485	477		0.979	4.27
123	115		0.631	3.16
24500	24500	10.5	9.36	188
1040	1030		24.8	8.74
855	835		2.22	10.1
3830	3800	6.55	6.33	12.9
4040	3970	6.97	6.96	14
4970	4830	7.65	7.4	12.6
2600	2410	4.24	4.27	32.3
2280	2250	4.03	4.89	20.4
1790	1750	4.87	5.28	19.4
1660	1620	4.75	4.87	11.9
1600	1580	4.01	3.82	35.1
1170	1170	2.73	2.85	33.9
1580	1510	3.14	3.23	26.3
24800	24400	10.3	8.72	203
2370	2370			4
1750	1760	4.11	3.57	30.6
6010	6000	6.94	5.93	35.3
2060	2040	6.05	5.58	9.79
36300	34200	51	52.1	88.7
35900	33100	48.2	51.3	79.8
5790	5780	11.3	11.9	24
47800	47200	57.9	58.8	3.51
2630	2490	6.1	7.02	6.21
99.9	74.6		1.78	7.29
494	484	2.64	2.43	1.66

478	441		1.63	19.2
242	223	3.63	3.84	185
792	782	5.17	5.39	37.1
668	622			2.69
159	158		1.24	2.85
26900	26000	37.3	39.7	15.1
384	378		1.37	12
1100	1080		2.06	13.4
485	444		1.53	18.7
490	464		0.877	4.32
25900	23500	33.7	32.3	14.8
25200	23900	8.91	7.75	184
189	184			2.27
				3.33
161	158		0.758	0.567
				0.52
1350	1340			2.93
1350	1320			3.42
1380	1370			3.15
1420	1410			2.83
2640	2590	4.62	4.83	6.17
2550	2540	4.38	5.22	5.78
1670	1660	3.71	4.89	4.45
1580	1580	4.62	5.86	4.77
1650	1660	4.52	6.18	4.67
1470	1440	3.76	4.83	3.8
1210	1210	2.94	3.26	3.28
839	856		2.43	1.45
909	847		2.34	5.23
50600	49100	73.5	67.7	27.9
561	546		0.552	0.642
3750	3750	7.74	7.19	2.72
12600	12200	9.89	8.83	44.4
84.5	82.1			1.37
73	73.3	2.6	0.777	0.982
628	627	7.6	7.22	1.77
602	594	7.66	7.55	5.28
4090	4020	7.9	7.27	17.5
4340	4300	7.65	7.36	16.7
30400	28400	9.12	11.8	240
2710	2670			2.18
494	495	6.74	6.98	6.45
1720	1710	4.38	4.35	31.4
18600	18300	24.9	35.1	47.8
3890	3770	7.1	7.58	14.1

3330	3260	7.73	5.76	10.6
33900	33900	45.6	50.7	84.5
33800	33600	48.5	48.4	84.3
34300	33500	49.3	56.9	76.4
29100	28900	36.3	44.9	4.9
28500	28500	34.7	55.2	0.856
23400	23100	45.7	53.6	4.15
2610	2570	4.77	10.9	3.59
66.9	64.8			
1780	1760		8.4	2.89
1710	1670		8.84	2.2
21200	21000	27.3	38.7	34.2
18200	17900	22.6	36	46.7
49300	48400	50.9	69.6	2.77
48400	47300	64.2	74.7	3.06
22300	21800	32.9	44.4	40.6
80200	79400	61	62.9	37.3
11500	11400	15.5	22.3	24.8
11700	11200	17.2	22.8	22.7
8990	8820	15.7	19.1	40.3
9190	9140	13.6	17.5	20.4
899	878	30.8	25.7	5.09
7120	7000	20.9	19.9	20.7
7220	7060	20.6	17	15.6
7140	7090	21.2	16.3	16.1
6820	6740	20.6	20	17.6
6430	6420	17.5	18	16.5
6500	6490	17.9	19.2	15
11000	10800	6.72	7.25	3.64
8680	8630	8.65	9.48	3.26
5920	5920	19.7	20.2	23.6
6380	6300	18.4	16.5	15.4
6310	6370	18.8	18.5	13.7
6350	6310	20.5	19.8	15.1
1010	1000			2.09
5600	5670	16.4	14	13.4
5550	5610	15	13.4	12.8
5410	5370	15.5	13	12.8
5100	5120	18.1	11.9	10.8
5070	5050	16.4	12.4	13.5
5120	5040	15	10.4	12.8
5140	5300	22.7	13.5	13
1390	1420	3.6	5.82	2.84
29400	29200	12.2	11.4	230
870	889	24.6	34.9	4.92
8800	8990	14.1	12.7	40.8
5120	5200	15	11.4	12.8

5080	5270	13.3	10.3	12.9
32800	33700	51.3	42.4	72
5960	6030	11.5	9.45	14.7
428	435	2.63		2.4
444	455	2.92		2.57
20900	21200	16.3	11.7	72.6
36200	37200	13.8	14.1	71.7
567	140			81.3
17.6	2.49			22.1
348	153			34.7
477	328			23.1
412	240			24.9
578	304			50.5
635	343			51.1
5.52	2.21			4.99
988	656			43.3
734	478			29.2
609	341			33.7
230	109		1.42	11.7
17.7	10.2		1.86	
7.46				
592	233		0.502	34.5
27.6	5.91			
571	232		0.648	32.6
468	149			26
850	791		1.97	23.1
15600	16000	4.84	5.49	81.8
615	592		2.16	7.27
2040	1880	3.53	2.95	47.3
890	608	2.73	1.47	130
37200	36000	50.4	43.3	76.6
34200	33200	45.4	46.9	102
3060	3060	8.03	7.88	111
2510	2260	5.98	5.59	4.67
188	159	4.01	3.53	2.24
461	395			19.2
964	634			141
2910	2670	5.72		94.9
2270	2070			148
49300	48400	58.2	52.9	5.31
3410	3340	5.6	5.23	40
2570	2480	5		25.7
211	197	3.78	3.29	73.8
834	831	6.67	5.41	25.8
1650	1630	5.03	5.38	19.7
718	639			2.83
1510	1440			30.3



195	190	3.29	3.57	4.25
151	128			12.2
354	354		2.79	1.24
200	190			2.09
187	172			2.35
3390	3340			3.88
1860	1830		0.93	6.27
1100	1090		0.842	5.45
638	584			5.39
310	233			11.3
287	196			14.1
10.6				12.9
302	189			15
917	786			12.8
756	639			13.5
771	655			14.3
944	805			15.6
38.6	13.8			23
1300	1220			14.7
898	823		0.606	24.3
689	624			9.34
333	294		0.808	5.06
493	394			10.4
15.9	2.47			
507	408			11.2
327	246			5.74
3950	3920	4.04	4.58	18
884	876		1.64	7.76
34300	34300	34.9	38.6	77.7
6170	6170	18.3	18.3	5.31
2500	2480			3.77
1040	1050			1.8
1290	1260		1.02	8.73
4690	4630	6.46	6.62	19.7
46900	48500	50.7	45.8	2.55
7240	7220	8.12	7.09	23
4000	3980	5.19	4.31	17.1
186	174	3.22	2.97	55.9
2250	2230	4.45	3.99	22.3
1770	1740	3.52	3.12	24.5
242	184			25.5
				3.96
				29.7
				84.5
				59.7
				23.1
				5.05

4.06  
1.99  
2.82  
2.92  
7.03  
38.4  
12.1  
36.9  
13.2  
4.56  
4.65  
3.65  
3.9  
2.95  
4.57  
3.11  
10.1  
5.9  
14.5

PB_DIS	SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT
8.1			62	60					961
5.36			227	220	7.52				2160
0.374			234	227	6.48				918
0.236			330	319					699
0.197			322	312					651
0.18			344	329					605
0.149			392	379					434
0.275			419	402					466
0.209			393	380					309
0.216			403	391					255
1.62			407	389					117
0.322			402	389					267
0.342			407	398					263
0.294			413	401					259
0.28			437	424					293
0.436									340
1.02			190	189					124
0.381			427	422					273
			530	523					391
			510	510					372
			267	281	5.9				181
0.139			275	275	6.85				183
			170	171					11.4
1.61			277	279					181
0.109			463	462					81.2
0.212			379	373					82.4
0.237									75.8
			273	272					126
28.8			52.8	52.9					13500
1.48			379	375					2300
1.9			360	358					2280
7.62			381	374					3410
232			1870	1820					35400
			1690	1680					841
3.15			270	268					3190
37.2			579	582					2500
7.45			1450	1430	10.6				5650
6.82			509	510	11.7				2940
17.1			4840	4780					14900
3.11			4850	4790					15100
2.15			258	253					996

	5430	5280		29700
	5290	4940		28100
5.04	1600	1520		9840
	2390	2280		729
	303	290		48.6
	1230	1190		350
	1410	1330		400
13.2	1570	1470		6170
10.9	1520	1420		6110
	5720	1060		20200
9.75	7800	290		20100
13.4	1450	276		3190
66.7	517	482	10.2	1050
15.1	1360	257	11	2480
14.2	287	287		394
5.76	1500	1420		5090
	272	253		102
	75.6	360		
54.2	388	1170		110
0.614	260	256		289
	310	312	4.68	292
0.125	262	251		80.2
179	1650	1660		28100
60.8	110	111		1170
5.3	179	178		1290
7.75	608	615		2800
7.98	682	684		2980
8.21	0.686	796		3280
7.42		609		1750
8.75	0.551	615		1480
12.9		645		1210
8.04		773		1070
33.8	0.867	28		4050
34.3	0.5	29.2		2810
25.2	0.731	45.8		4020
182		1640		28200
		1560		1570
28.4		567		2220
35.6	0.886	597		9750
10.2	0.76	980		3930
5.05		5290		17900
19.8		5220		17900
4.05	1.35	1160		4480
1.26		5770		20900
		2420		967
		157	4.99	61.7
		537	3.07	202

0.21			631	632		257
76.9			202	200		680
26.3		0.579	276	274		183
			4580	4540		115
0.895		0.52	91.2	91.8		368
14.9			6280	6220		19700
6.63		0.5	118	119		1120
6.98			135	134		1480
0.231			635	636		255
			319	313		293
14.3		3.19	6100			19100
183		2.01	1700	1660		28700
0.155			578	579	29.4	189
2.42		1.06	601	595	6.53	177
			417	413		54
			466	458		
0.131			643	625		306
			638	622		402
0.221			636	626		426
			644	630		424
0.176			1200	1180		1170
3.01			1170	1160		1150
			991	985		731
0.175			980	969		726
0.255			999	995		727
			950	934		685
			808	793		557
			52.1	52.7		
			675	676		445
			203	202		
			688	678		545
28	4.95		4840	4750	27.8	19800
			616	609	4.7	264
2.31	3.41	0.76	49.3	49.8		10000
0.885	5.19	2.13	68.7	69		32800
0.325	3.31		567	566		303
0.738	3.2		326	328		1310
1.53	3.87	0.723	329	326		2350
4.8	3.5		331	327		2410
15.6	3.82		529	524		6140
15	4.38		698	693		6460
228	5.47		1880	1840		34100
	3.08		1810	1780		840
5.68	4.97		332	332		2270
27.6			510	508		2130
9.91	3.4		2960	2940		10500
12.6	4.29		975	961		5610

9.42	4.08	0.522	1020	1000		4990
21.5	3.05		4950	5010		16100
3.63	3.93		4970	4970		16200
2.79	3.19		4850	4760	18.5	16700
4.75	7.83	4.87	5830	5780	5.06	19700
0.765	6.31	5.41	5680	5690		21400
4.4	4.29	5.16	3640	3610		16800
			2590	2550		736
	6.33		350	350		
	5.68		1850	1820		522
	3.62		2410	2350		570
23.9	3.48		3170	3170		11600
28	5.37		2930	2870		10800
1.15	6.09	4.52	5840	5730		21200
1.14	3.33	2.69	5690	5620		20900
32			3170	3100		12300
35.4	8.64	9.27	3320	3270		48500
18.2			2750	2730		6050
15.1	2.72		2790	2680		6180
26.8			2260	2230		4760
16.2			2270	2260		4860
5.44		3.75	453	437		20.8 1270
17.9			2050	2010	13.7	3910
13			2080	2020	4.64	3890
13.5			2080	2040		3860
15.5			2040	1980		3670
14.8			2140	2080		3430
12.5			2150	2100		3450
			4580	4410		2090
			5100	5020		2620
22.7			1170	1150		984
13.2			2150	2080		3350
11.1			2130	2100		3310
12.9			2130	2090		3320
			4960	4900		131
11.6			2400	2380		2920
12			2450	2400		2900
11.3			2390	2350		2740
11.2		3.14	2330	2280		2550
11.2		3.42	2320	2270		2560
10.5		3.93	2360	2260	16.6	2600
11.3			2350	2340	4.99	2590
			648	649		304
210	2.63		1880	1850		33100
5.04			446	444		21.4 1180
27			2260	2260		4580
10.9			2340	2350		2550

11.3	2.54	2340	2340	2570
2.82		4850	4850	15600
15.3		1700	1690	8010
		745	748	177
0.662		771	770	178
75.4	2.94	1460	1460	24800
9.15		1090	1100	4220
0.563		219	206	467
1.91	0.502	343	301	165
0.666		256	222	384
0.749		276	255	375
1.24		219	209	358
1.33		227	213	395
1.45		226	209	400
2.57		154	144	92.1
1.34		233	225	454
1.18		304	280	453
0.706		248	232	352
0.272		107	96.8	119
		41.2	37.7	
		50.5	47.6	
0.759		198	182	283
	0.534	111	107	
0.779		197	180	288
0.533		161	150	221
6.15		120	111	2040
79.1		984	938	15100
6		87.8	84.3	1660
5.81		291	272	1980
3.04		136	110	1330
18.9		5170	4790	17500
11.2		4760	4410	16600
3.84		449	427	2670
		2610	2280	884
0.197		130	126	75.4
		400	366	167
		699	603	22.3
6.51		420	388	2360
5.43		338	309	2090
3.56		5580	5250	20900
10.8		549	512	2620
10.1		544	525	1960
58.2		114	111	752
22.4		311	305	250
15.3		467	463	1320
		4980	4640	129
13.1		538	514	1180

3.4	837	802		1320
	272	261		121
1.32	154	151		1710
0.185	453	454		283
0.381	457	452	12.9	247
	503	492	5.97	1020
	611	601	3.82	768
	415	419		483
	316	327		273
0.958	272	268		425
0.968	275	271	6.57	396
1.83	324	319	7.96	140
0.928	274	269		426
1.04	276	271		547
0.95	269	265		504
0.882	272	267		502
1.11	272	269		516
4.88	164	159		190
1.1	317	312		491
	373	361		489
0.179	295	285		426
0.146	163	157	6.32	204
0.334	213	206		296
	102	99.3		
0.3	217	210		306
0.286	177	171		195
8.92	603	589		3220
5.2	180	174		1860
28.2	4930	4830		15800
2.67	636	620		5310
	2600	2530		764
	1160	1140		364
1.73	994	970	7.33	965
8.49	658	644	8.75	3460
1.4	5430	5420		20400
14.3	743	728		5210
9.59	644	630		2890
38.5	105	99.3		578
9.94	494	486		1620
6.85	497	486		1270
0.108	301	294		196
0.15				589
1.04				477
0.761				504
1.16				354
0.657				296
0.525				293



0.498	245
0.287	199
0.491	237
0.388	241
0.131	573
0.345	445
0.427	363
1.09	268
0.77	262
	257
	235
	318
	295
	255
	317
	221
	272
	167
	168

%

ZN\_DIS    DIS\_OXY\_ DO SAT.    TSS\_MG    TDS\_MG    T\_PHOS\_MP\_DIS\_MG PO4\_DIS\_ SI\_TOT\_M SI\_DIS\_MG

1000

2210

875

639

633

603

440

462

315

250

144

266

253

260

293

341

133

270

362

327

180

149

152

57.5

41.5

34.7

87.7

14400

2410

2420

3530

36300

860

3200

2720

5850

3150

15400

15300

1100

29300  
26700  
9790  
721  
51.8  
373  
406  
6220  
6090  
3890  
711  
665  
1080  
480  
394  
5180  
80.5  
98.8  
23000  
281  
288  
68.2  
28800  
1230  
1330  
2850  
3010  
3320  
1710  
1540  
1230  
1070  
4070  
2930  
4020  
28700  
1610  
2320  
10000  
4040  
16800  
16300  
4590  
20800  
912  
53.4  
202

230  
704  
187  
  
377  
19100  
1170  
1520  
236  
279  
18700  
27600  
2540  
2690  
2060  
2150  
2710  
2610  
2690  
2660  
3470  
3460  
3670  
3780  
3820  
3710  
3260  
827  
3030  
3820  
3050  
9530  
3120  
1120  
1690  
1430  
1270  
1380  
1380  
2120  
2570  
6670  
5580  
1430  
3640  
6030  
3130

3330  
8740  
8680  
8270  
5160  
5170  
5260  
4160  
1570  
3330  
3550  
6120  
5800  
9410  
9360  
6170  
8300  
4870  
4810  
4540  
4460  
1540  
4130  
4090  
4120  
4300  
4480  
4410  
9400  
9770  
3520  
4480  
4500  
4500  
6170  
4690  
4690  
4780  
4750  
4800  
4780  
4870  
2740  
6300  
1590  
4670  
4950

4960  
8670  
5270  
3880  
3960  
5240  
3790  
224  
154  
242  
305  
280  
296  
292  
90.2  
347  
369  
242  
79

140

140  
66.5  
2110  
18100  
1740  
2190  
1430  
18100  
17300  
2960  
800  
68.4  
161  
426  
2380  
2160  
21900  
2900  
1940  
779  
252  
1350  
107  
1160

1330  
100  
1760  
289  
241  
1030  
701  
367  
174  
409  
361  
136  
360  
509  
452  
455  
461  
170  
446  
453  
364  
178  
210

217  
111  
3320  
2020  
15900  
5560  
733  
380  
986  
3520  
20900  
5380  
3010  
582  
1700  
1310  
146  
583  
373  
264  
257  
270  
302

245  
204  
244  
253  
590  
387  
340  
219  
261  
272  
235  
328  
299  
293  
334  
211  
241  
126  
53.5



as N

NA_TOT_MG	NNA_DIS_MG	MCL_MG	F_MG	HCO3_MG	CO3_MG	OH_MG	NH3_MG	NO2_MG	NO3_MG
802	754								
1500	1420								
1180	1130								
1260	1210								
1240	1230								
1360	1300								
1650	1620								
1790	1720								
1760	1740								
1860	1800								
1660	1520								
1810	1700								
1880	1810								
1830	1810								
1910	1860								
1980	1850								
1280	1270								
1870	1890								
2410	2420								
2340	2450								
1420	1550								
1660	1640								
2220	2300								
1600	1620								
608	604								
8970	9030								
6790	6550								
6710	6510								
1800	1740								
878	870								
1310	1290								
1290	1260								
1440	1370								
6210	5910	10.4	4.8						
4960	4770		3.2						
1280	1260	1.1	1.2						
3460	3560	1.1	3.2						
3250	3270		2.1						
1730	1740	1.2	0.9						
8280	7830		5						
7970	7840		5.3						
1430	1340	1.2	0.2						

4840	4760	10.3	8.4
4660	4470		7.8
3510	3360	10.4	3.3
3840	3690	10.5	2.4
1440	1410	1.1	0.4
2480	2440		1.5
2470	2390	10.5	1.1
3440	3260		2.3
3360	3060	10.5	2.1
8800	1690	10.3	3.1
16100	566	10.3	1.7
3200	596	10.4	1.6
997	961	10.4	
3080	588		1.3
635	635	10.3	1.3
4520	4220		2.3
3150	2890	3.1	0.3
3550	2300	1.5	0.2
2390	4060		3.4
1270	1250		0.3
1510	1550		0.2
1630	1650		0.1
5990	5810		3.9
602	656		0.4
886	914		0.4
1640	1730		1
1790	1810		1.1
1960	2030		1.2
1580	1550		0.8
1700	1700		0.7
1760	1800		0.7
2080	2150		0.7
544	625		0.5
538	588		0.4
589	633		0.5
5810	5820		3.7
4580	4670		2.7
3660	3750		3.2
2110	2210		1.6
2990	3060		1.5
9190	8870		6.1
8960	8900		
2040	2140		1.2
9470	9240		
3910	3780		2.3
923	949		0.3
1460	1530		0.7

1550	1600		0.5
503	516		0.1
1200	1230		0.3
5820	5710		1
941	982		
5080	5190		6.7
551	614		0.2
652	732		0.4
1530	1600		0.5
1590	1560		0.2
4960	5270		
6000	5910		3.9
2480	2540	1.2	0.5
2600	2690		0.2
2040	2060		0.4
2180	2150		0.4
2730	2710	1.2	0.6
2620	2610	1.2	0.5
2660	2690	1.2	0.5
2670	2660	1.2	0.5
3360	3470		
3290	3460		
3560	3670		
3600	3780		
3640	3820		
3610	3710		
3140	3260	1.2	0.3
	827		
2850	3030	1.4	0.5
3690	3820	3	0.2
2910	3050	1.4	0.5
9730	9530		
3010	3120	1.6	0.4
	1120		1.1
1620	1690		2.5
1400	1430		0.2
	1270		0.2
1320	1380		0.7
1320	1380		0.8
2020	2120		1.3
2420	2570		1.5
6360	6670		4.3
5270	5580		3.3
1330	1430		0.8
3480	3640		2.7
5990	6030		3.8
3040	3130		1.6

3160	3330	1.9
8570	8740	
8650	8680	
8300	8270	
5040	5160	
4930	5170	
5140	5260	
4100	4160	2.3
1510	1570	0.5
3320	3330	1.6
3500	3550	1.3
6160	6120	3.7
5850	5800	3.9
9550	9410	
9160	9360	
6180	6170	3.9
8260	8300	20
4820	4870	2.6
4880	4810	2.5
4500	4540	2.3
4440	4460	2.3
1510	1540	1.1
4060	4130	2.1
4140	4090	2.1
4190	4120	2.3
4350	4300	2.1
4460	4480	2
4470	4410	2
9640	9400	1.9
9810	9770	
3470	3520	1.7
4560	4480	2
4500	4500	1.9
4470	4500	2
6200	6170	1.6
4630	4690	1.9
4740	4690	1.9
4750	4780	1.9
4840	4750	1.9
4840	4800	1.9
4950	4780	1.8
4910	4870	1.8
2630	2740	1.2 0.6
6430	6300	4.3
1510	1590	1
4530	4670	2.4
4900	4950	1.8

4920	4960		1.9
8570	8670		50.8
5190	5270		
3780	3880		
3900	3960		
5180	5240		3.7
3570	3790		3.3
1100	1230	1.1	0.2
1550	1720		0.1
1170	1330	1.1	0.3
1350	1430	1.1	0.3
1130	1130	1.1	0.2
1130	1180	1.1	0.2
1120	1140	1.1	0.2
1080	1150	1	0.1
1160	1180	1.2	0.3
1520	1570	1.3	0.3
1360	1400	1.3	0.3
853	839	1.1	0.1
562	592	1	
1490	1560	2.1	
1280	1290	1.2	0.2
1500	1520	1.7	
1250	1270	1.2	0.2
1180	1180	1.3	0.2
708	709		0.4
3600	3590		2.1
632	585	1	0.3
1070	1100		0.6
810	757		0.3
8540	8050		
7770	7760		
1140	1130		
3900	3780		2
839	896		0.4
1250	1200		0.5
1770	1600		0.6
1340	1350		0.6
1140	1160		0.5
8930	8300		
1570	1600		0.9
1590	1610		0.7
440	506		0.1
1300	1330	1	0.4
1410	1490		0.6
5770	5270		1.5
1590	1570	1	0.5

2610	2520		1.3
1810	1770	1.5	0.2
726	725		0.4
2200	2160	1.1	0.3
2230	2210	1.2	0.3
2400	2520	1	0.2
3400	3540	1.2	0.3
2720	2760	1.2	0.4
2960	2970	1.2	0.3
1470	1350	1.2	0.3
1480	1390	1.2	0.4
1670	1580	1	0.2
1410	1360	1.3	0.4
1470	1420	2	0.4
1460	1360	1.9	0.3
1430	1400	1.4	0.2
1410	1370	1.7	0.3
1450	1360	1.9	
1610	1500	1.7	0.3
2310	2240	1.7	0.2
1990	1930	0.9	1.1
1300	1260	0.9	0.5
1690	1620		6
1770	1750		2
1710	1740		2.8
1610	1560		1.5
1890	1790	1	0.9
1120	1090	0.9	1.2
8630	7990	8.3	3.6
1690	1600		1.6
4080	3870	1	1.1
2470	2420	1	0.2
2270	2240	1	0.7
1930	1940	1	0.6
8860	9040	3.7	0.3
2170	2090		
1910	1930		
577	557		
1720	1690		
1690	1700		
3260	3230		



NO2_NO3_K_TOT_MCK_DIS_MGSO4_MG	BI_TOT	BI_DIS	GA_TOT	GA_DIS	MO_TOT	MO_DIS
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770	710	
834	788	
641	624	
582	551	
581	569	
596	573	
604	604	
619	578	
569	568	
588	590	75.1
458	450	
554	543	
591	578	
584	581	
567	564	
576	576	
448	471	
581	611	
668	690	
653	686	
526	589	
691	695	
639	632	
687	674	
439	437	
1750	1740	
1410	1360	
1490	1400	
692	695	
489	507	
417	421	
420	414	
476	485	
2150	2100	732
659	629	343
618	620	190
730	775	147
700	743	383
471	488	179
		1270
		1290
508	474	123



		1330
		1270
		743
		480
470	466	80.5
		250
		256
		454
		419
		1530
3430		353
859		336
1500	1500	147
		348
		348
		318
909	868	54.9
2100	494	104
488		451
520	459	46.4
546	472	71.1
408	380	62.7
2020	1880	646
390	371	62.6
455	383	67
496	485	198
518	476	220
518	496	251
627	457	171
625	578	176
793	734	196
854	829	210
426	401	75.7
434	416	55.5
470	418	74.7
1940	1930	637
651	623	334
668	682	145
708	727	247
667	659	254
		1460
		1290
544	455	338
		1460
		531
720	321	46.6
462	443	137

544	461	133
914	553	67
935	823	112
		466
382	317	43.5
		1350
359	322	44.5
415	382	64.2
550	452	134
515	450	73.1
	1610	1180
1980	1920	649
	736	130
	590	61.3
	470	59.1
	409	57.6
	731	139
	722	137
	716	137
	724	138
1470	1180	259
1250	1170	251
	1020	235
1270	1060	232
	1080	235
	1020	232
	953	144
	514	16.6
	1020	183
	884	31
	1020	183
1700		1360
	1080	159
	673	153
	664	253
	385	134
	455	114
	577	175
	583	177
	687	239
	704	237
2320	2330	718
	697	369
	545	173
	741	130
		813
	668	261

	677	269
1640		1240
1700		1240
1670	1420	1230
1410		1130
		1160
		1080
		536
		93.4
		387
		423
1270		918
		847
1370	1250	1440
1370		1420
		934
		7840
		642
		644
1570	1410	558
1480		556
4090	3950	325
2230	1920	584
2150	2130	588
2280	1890	882
2350	1980	599
2050	1890	599
2190	2000	603
2210	1910	576
2460	2220	
3260	2940	435
2080	1920	590
2070	1780	599
2070	2000	591
		518
1930	1750	575
1920	1680	593
1990	1810	588
2110	1910	581
2160	2010	581
2200	1950	579
2130	2240	572
		140
2320	2350	718
4400	4340	331
1640	1790	556
2150	2310	562

2160	2260	570
1610	1770	12900
		50.9
		192
		197
1690	1660	545
1490	1680	341
595	584	39.6
462	493	31.2
568	594	46.8
602	595	51
644	632	39.7
757	657	41.3
750	639	41.1
416	468	21.7
701	651	44
592	604	71.4
735	602	56
626	561	25.6
523	550	13.6
406	452	5.3
857	645	44.7
518	492	10.1
806	629	44.6
707	549	34.2
706	427	65
1150	1120	404
457	402	57
785	504	101
1340	435	47.2
		1610
		1420
729	368	216
		555
510	433	62.6
1470	481	123
3920	553	157
1170	500	147
1160	477	125
		1630
922	514	179
769	611	172
683	628	51.4
1060	882	126
706	698	158
		571
891	758	163

677	664	217
520	431	71
404	385	74.7
568	645	55.2
538	635	53.3
628	673	30.2
766	905	52.3
824	888	54.2
814	845	52.2
796	515	53.2
679	508	54.5
592	474	29
652	499	66.3
658	523	100
648	517	74
620	515	41
618	517	50.9
583	446	4.7
662	555	53.7
1010	604	37.3
682	530	203
605	507	68.7
752	552	1470
605	495	514
736	601	613
682	560	292
590	529	240
458	422	250
1730		1700
384	329	265
		225
706	633	46.9
686	570	177
623	511	160
1360		84.7
665	546	
737	650	
801	570	
898	711	
1030	729	
771	489	



SN_TOT	SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	meq/L	meq/L	Sum Cation	Sum Anions
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meq/L		feet	feet	abv. Grd.	column	DOC
Charge Balance	Sampler	Well Depth	Water level	Casing	water	

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Lab. Sample Lab. Project Report I. D.			mostly WC		
Lab Name	Lab. Design	Lab Job #	BASIN	NEW SITE STRM. DES	TE DESIG
					OLD SITE D
	085M-0114		Howardsville gage		A55-01
	085M-0115				A55-02
	085M-0116				A55-03
	085M-0117				A55-04
	085M-0118				A55-05
	085M-0119				A55-06
	085M-0120				A55-07
	085M-0121				A55-08
	085M-0122				A55-09
	085M-0123				A55-10
	085M-0124				A55-11
	085M-0125				A55-12
	085M-0126				A55-13
	085M-0127				A55-14
	085M-0128				A55-15
	085M-0129				A55-16
	085M-0130				A55-17
	085M-0131				A55-18
	085M-0132				A55-19
	085M-0133				A55-20
	085M-0134				A55-21
	085M-0135				A55-22
	085M-0136				A55-24
	085M-0137				A55-25
	085M-0138				A55-26
	085M-0139				A55-27
	085M-0140				A55-28
	085M-0141				A55-29
	085M-0142				A55-30
	085M-0143				A55-31
	085M-0144				A55-32
	085M-0145				A55-33
	085M-0146				A55-34
	085M-0147				A55-35
	085M-0148				A55-36
	085M-0149				A55-37
	085M-0150				A55-38
	085M-0151				A55-39
	085M-0152				A55-40
	085M-0153				A55-41
	085M-0154				A55-42
	085M-0155				A55-43
	085M-0156				A55-44

085M-0157	A55-45
085M-0158	A55-46
085M-0159	A55-47
085M-0160	A55-48
085M-0161	A55-49
085M-0162	A55-50
085M-0163	A55-51
085M-0164	A55-52
085M-0165	A55-53
085M-0166	A55-54
085M-0167	A55-55
085M-0168	A55-56
085M-0169	A55-57
085M-0170	A55-58
085M-0171	A55-59
085M-0172	A55-60
085M-0173	A55-61
085M-0174	A55-62
085M-0175	A55-63
085M-0176	A55-64
085M-0177	A55-65
085M-0178	A55-66
085M-0179	A55-67
085M-0180	A55-68
085M-0181	A55-69
085M-0182	A55-70
085M-0183	A55-71
085M-0184	A55-72
085M-0185	A55-73
085M-0186	A55-74
085M-0187	A55-75
085M-0188	A55-76
085M-0189	A55-77
085M-0190	A55-78
085M-0191	A55-79
085M-0192	A55-80
085M-0193	A55-81
085M-0194	A55-82
085M-0195	A55-83
085M-0196	A55-84
085M-0197	A55-85
085M-0202	Animas Abv Arrastra
085M-0203	A56-01
085M-0204	A56-02
085M-0205	A56-03
085M-0206	A56-04
085M-0207	A56-05

085M-0208	A56-07
085M-0209	A56-08
085M-0210	A56-09
085M-0211	A56-10
085M-0217	A56-11
085M-0218	A56-12
085M-0219	A56-13
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085M-0222	A56-16
085M-0223	A56-17
085M-0224	A56-18
085M-0225	A56-19
085M-0226	A56-20
085M-0227	A56-21
085M-0228	A56-22
085M-0229	A56-23
085M-0230	A56-24
085M-0231	A56-25
085M-0232	A56-26
085M-0233	A56-27
085M-0234	A56-28
085M-0235	A56-29
085M-0236	A56-30
085M-0237	A56-31
085M-0238	A56-32
085M-0239	A56-33
085M-0240	A56-34
085M-0241	A56-35
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085M-0245	A56-39
085M-0246	A56-40
085M-0247	A56-41
085M-0248	A56-42
085M-0249	A56-43
085M-0250	A56-44
085M-0251	A56-45
085M-0252	A56-46
085M-0253	A56-47
085M-0254	A56-48
085M-0255	A56-49
085M-0256	A56-50
085M-0257	A56-51
085M-0258	A56-52
085M-0259	A56-53

085M-0260	A56-54
085M-0261	A56-55
085M-0262	A56-56
085M-0263	A56-57
085M-0264	A56-58
085M-0265	A56-59
085M-0266	A56-60
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085M-0268	A56-62
085M-0269	A56-63
085M-0270	A56-64
085M-0271	A56-65
085M-0272	A56-66
085M-0273	A56-67
085M-0274	A56-68
085M-0275	A56-69
085M-0276	A56-70
085M-0277	A56-71
085M-0278	A56-72
085M-0279	A56-73
085M-0280	A56-74
085M-0281	A56-75
085M-0282	A56-76
085M-0283	A56-77
085M-0284	A56-78
085M-0285	A56-79
085M-0286	A56-80
085M-0287	A56-81
085M-0288	A56-82
085M-0289	A56-83
085M-0290	A56-84
085M-0291	A56-85
085M-0292	A56-86
085M-0293	A56-87
085M-0294	A56-88
085M-0295	A56-89
085M-0296	A56-90
085M-0297	A56-91
085M-0298	A56-92
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085M-0300	A56-94
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085M-0303	A56-97
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085M-0305	A56-99
085M-0212	A56-100

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085M-0214		A56-102
085M-0215		A56-103
085M-0216		A56-104
085M-0311	Animas upstream of Elk Cr.	A73-01
085M-0312		A73-02
085M-0313		A73-03
085M-0314		A73-04
085M-0315		A73-05
085M-0316		A73-06
085M-0317		A73-07
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085M-0319		A73-09
085M-0320		A73-10
085M-0321		A73-11
085M-0322		A73-12
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085M-0324		A73-14
085M-0325		A73-15
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085M-0329		A73-19
085M-0330		A73-20
085M-0331		A73-21
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085M-0333		A73-23
085M-0334		A73-24
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085M-0336		A73-26
085M-0337		A73-27
085M-0338		A73-28
085M-0339		A73-29
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085M-0382		A73-72
085M-0389	Animas abv. Cascade	A75D-01
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085M-0392		A75D-04
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085M-0398		A75D-10
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085M-0408		A75D-12
085M-0409		A75D-13
085M-0410		A75D-14
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085M-0605	Bbridge-99
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A830-0599	A-72-O-89
A830-0600	A-72-O-90
A830-0601	A-72-O-91
A830-0602	A-72-O-92
A830-0603	A-72-O-93
A830-0604	A-72-O-94
A830-0606	Animas upstream of Elk Cr. A-73-O-01

A830-0607	A-73-O-02
A830-0608	A-73-O-03
A830-0609	A-73-O-04
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A830-0644	A-73-O-39
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A830-0647	A-73-O-42
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A830-0649	A-73-O-44
A830-0650	A-73-O-45
A830-0651	A-73-O-46
A830-0652	A-73-O-47
A830-0653	A-73-O-48

A830-0654		A-73-O-49
A830-0655		A-73-O-50
A830-0656		A-73-O-51
A830-0657		A-73-O-52
A830-0659	Animas abv. Cascade	A-75D-O-01
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A830-0661		A-75D-O-03
A830-0662		A-75D-O-04
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A830-0670		A-75D-O-12
A830-0671		A-75D-O-13
A830-0672		A-75D-O-14
A830-0673		A-75D-O-15
A830-0674		A-75D-O-16
A830-0675		A-75D-O-17
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A830-0678		A-75D-O-20
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A830-0687		A-75D-O-29
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A830-0690		A-75D-O-32
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A830-0693		A-75D-O-35
A830-0694		A-75D-O-36
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A830-0701		A-75D-O-43

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A-75D-O-54



Herron, SGC, USGS, CRW, ARSG (often previous site designations)

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PURPOSE	LAT_DD	LONG_DD	ELEV_FT	flow_CFS daily mean	FLOW_CFS	ST_Q_GPM	PH	pH-lab	TEMP_C
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	as CaCO3=	mg/l	Mg/l	Mg/l		Totals
field Cond.	lab cond.	HARD_MG	Field Alk	Phen_Alk	Total alk.	ACIDITY CA_TOT_NCA_DIS_MCa as CaCC
		70				25000
		68				24200
		66				23600
		68				24000
		67				23700
		66				23500
		60				21400
		60				21300
		59				21000
		58				20800
		59				21200
		60				21500
		60				21400
		59				21100
		58				20800
		58				20800
		60				21300
		58				20700
		56				20100
		57				20400
		57				20500
		55				19700
		53				18900
		53				18900
		48				17100
		48				17200
		50				17800
		53				18800
		54				19100
		51				18100
		51				18200
		46				16500
		44				15800
		45				15900
		45				16000
		45				16100
		43				15300
		43				15500
		44				15600
		45				16000
		46				16300
		53				19100
		52				18600

52	18800
62	22200
61	22000
62	22300
59	21300
61	22000
62	22600
69	25300
73	26800
76	27400
87	31500
97	35600
94	34400
91	33200
90	32900
88	32000
87	31900
83	30100
82	29800
75	27400
74	26600
80	29000
85	31000
98	35900
103	37700
107	39100
107	39000
103	37600
99	36400
93	33600
85	31000
89	32500
91	33100
86	31400
83	30400
90	32900
94	34600
104	37800
111	41000
117	43000
57	19400
79	28500
75	27000
64	23000
73	26100
73	26400



69	24900
71	25400
72	26000
69	25000
67	23900
67	24000
65	23400
64	23300
66	23800
62	22300
58	21100
58	20700
56	20100
54	19300
54	19400
53	19300
52	18500
53	19100
52	18700
48	17200
47	16800
49	17500
50	18000
50	17800
52	18900
41	14700
41	14700
41	14900
43	15400
44	15800
43	15500
43	15500
43	15400
46	16700
49	17500
48	17400
51	18400
54	19800
54	19500
56	20000
55	19900
56	20300
56	20200
58	21000
61	22200
67	24300
68	24800

68	24700
69	25300
70	25700
81	29700
86	31400
87	31700
88	32300
90	32900
85	31100
83	30400
83	30400
86	31600
86	31300
89	32500
79	28700
79	28700
77	28100
76	27700
77	28300
76	27600
74	27000
82	29900
89	32600
99	36400
105	38600
106	38800
105	38400
107	39100
102	37700
101	36800
97	35800
95	34700
92	33300
86	31200
83	30100
90	32600
88	32100
88	31900
84	30500
84	30500
81	29500
90	32900
94	34200
100	36500
103	37700
103	37800
107	39200

112	41100
108	39500
23	8360
16	5610
92	33000
97	34700
91	32700
86	30800
77	27400
67	24000
61	21800
51	18400
53	19000
55	19800
57	20200
46	16400
47	17000
45	15900
46	16300
46	16400
45	16300
48	17200
51	18200
50	18100
54	19300
58	20400
61	21500
67	23800
73	25900
80	28500
85	30100
86	30700
88	31400
87	31200
91	32600
89	32000
94	33600
100	35700
102	36500
106	38000
106	38100
107	38300
112	40200
110	39300
107	38400
104	37000
103	36800

99	35400
99	35400
100	35700
99	35300
100	35500
106	38000
103	37100
107	38400
110	39500
112	39600
106	38000
108	38900
104	37300
101	36100
101	36200
99	35600
94	33800
95	34100
94	33500
97	35100
99	35700
102	36300
106	38100
111	40000
114	41200
119	42500
130	47000
124	44600
128	46200
72	25400
79	27900
87	31300
90	32000
91	32600
83	29700
95	33700
97	34600
97	34900
98	35000
92	32900
88	31300
85	30600
82	29300
75	26800
78	27800
74	26600
73	26000

69	24400
74	26500
74	26200
72	25700
66	23300
68	24400
70	24900
68	24300
67	23300
61	21400
56	19500
56	19500
58	20300
57	20100
54	19200
56	19800
52	18300
53	18700
57	20000
52	18200
52	18200
51	17900
50	17500
48	16800
50	17400
48	16800
49	17100
49	17300
47	16200
42	14800
42	14700
43	14900
46	16000
45	15700
42	14500
42	14800
41	14200
40	13900
41	14400
38	13300
38	13300
37	12700
37	12700
39	13400
38	13300
42	14500
43	15100

43	15100
46	15700
55	19200
55	19200
57	20000
57	19700
57	19700
56	19400
58	20500
55	19300
63	22000
74	26300
82	29100
80	28000
83	29300
79	27700
78	27500
73	25700
68	24000
65	23000
69	24100
70	24200
77	27300
90	31800
89	31500
87	30800
89	31700
83	29400
87	31000
82	29000
82	29300
80	28200
73	25700
73	25500
77	27000
84	29600
88	31000
90	32000
105	36900
111	39400
114	40400
56	18900
59	20100
57	19700
57	19800
59	20200
58	20000

54	18400
54	18500
54	18400
55	18800
102	34200
54	18500
52	17800
52	17800
51	17400
48	16600
46	15700
46	15700
47	16100
48	16600
48	16200
49	16800
49	16700
48	16600
49	16800
45	15300
48	16400
45	15400
42	14200
41	14000
41	14000
42	14300
43	14400
42	14200
41	13800
42	14300
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42	13900
42	14100
42	13900
43	14200
49	16300
53	17600
56	18600
58	19300
55	18400
53	17800
53	17800
57	19000
56	18600
53	17600
58	19400
56	18600

56	18700
66	22100
73	24700
75	25100
79	26600
78	26200
82	27400
83	28100
81	27300
82	27800
84	28500
78	26500
72	24300
72	24400
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70	23300
64	21500
63	21000
57	19200
62	20700
68	23000
78	26300
83	28100
92	30400
83	27900
95	31900
97	32500
90	30200
85	28700
82	27600
80	26800
68	22900
72	24100
69	23300
73	24500
72	24200
70	22900
70	23400
71	23600
78	25900
78	26000
88	29200
88	29100
97	32800
106	35800
103	34200
142	51500



164	60700
161	59200
184	67800
182	67100
176	65000
168	61500
186	68500
182	66900
181	66200
178	65400
180	65800
173	63200
170	62300
166	60800
160	59100
151	55100
152	55900
154	56200
147	54100
138	50500
143	52500
140	51600
144	53100
134	49500
126	46700
130	47700
118	42600
120	44000
112	40900
110	40000
106	38800
102	37200
98	36300
90	33200
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77	28300
76	27700
74	27000
76	27900
76	28300
69	25300
72	26400
72	28300
77	27900
77	28000
80	29100

84	30400
84	30600
72	26200
70	25700
61	22500
60	22000
62	22600
58	21500
62	22400
69	25100
80	29300
87	32100
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60	21900
62	22100
66	23300
70	24700
94	33200
128	46300
136	49600
133	48600
126	45700
119	43500
112	40800
96	34900
88	31900
84	30400
96	34700
96	34700
96	34700
91	33100
102	37300
129	47100
147	53300
126	64700
188	68800
192	70400
190	70000
208	76900
231	85200
248	91500
257	94800
258	95500
238	87300
198	73200
152	55000

167	61200
182	67700
176	65000
174	64500
168	62700
160	59500
148	55200
142	52800
136	50700
134	50100
132	49000
119	43900
114	42100
101	37200
94	34600
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71	26100
68	24900
66	24500
66	23700
76	27500
72	26400
61	21900
55	19800
54	19500
68	24800
65	23700
60	22100
60	21700
88	32500
107	39400
121	44300
116	42900
100	36900
98	35800
80	29400
83	30500
86	31700
88	32100
91	32200
118	42100
138	49800
164	58900
176	63900
184	67500
194	71100
232	85700

252	93400
248	92100
226	83600
220	80800
105	37100
102	36300
96	34100
93	33100
88	31500
80	28400
74	26300
66	23400
61	21800
60	21400
58	20600
55	19700
58	20500
54	19300
54	19300
59	21000
61	21700
62	22200
68	24400
76	27000
85	30100
88	31100
86	30500
86	30500
82	29600
76	27200
73	26000
72	25600
68	24000
70	25100
70	25100
70	25000
71	25100
74	26300
82	29100
85	30400
94	33800
106	38400
110	39800
116	41900
127	45800
132	47600
141	50800

147	52900
150	54700
158	57600
167	61100
166	60600
166	60600
170	62000
167	61200
160	58600
159	57900
156	56600

MG_TOT_IMG_DIS_NAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS	B_TOT
1930							
1790							
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1140							
1140							
1130							
1190							
1340							
1260							

1310  
1490  
1440  
1430  
1380  
1420  
1430  
1510  
1560  
1750  
1910  
2010  
2000  
1950  
1880  
1860  
1850  
1950  
1800  
1690  
1700  
1770  
1850  
2090  
2080  
2170  
2200  
2120  
2080  
2090  
1910  
1970  
1950  
1820  
1800  
1840  
1950  
2290  
2210  
2220

1970	1130
1960	202
1840	146
1560	77.6
1800	43.7
1780	40.5

1670	31.1
1780	26.9
1720	26.9
1680	25
1650	
1660	25.4
1620	
1520	38
1570	27.2
1520	
1380	
1490	29.7
1480	40.8
1350	199
1330	113
1250	66.6
1290	67.3
1310	65.4
1290	67.4
1320	136
1250	88.5
1220	82.6
1290	81.4
1280	87.3
1270	123
1050	255
1050	295
1040	210
1050	175
1090	145
1060	143
1100	142
1060	127
1120	105
1150	62.3
1120	64.5
1190	44.5
1220	29.8
1230	28.7
1390	56
1310	34.7
1360	34
1340	35.8
1320	30.6
1370	57.2
1450	27.6
1450	25.9



1490	28.8
1450	31.1
1440	28.3
1690	
1890	34.2
1830	
1850	
1860	
1760	
1730	
1780	
1780	
1950	
1960	
1760	27.3
1790	27.6
1740	25.3
1710	27.7
1670	27.6
1630	32.7
1610	33.8
1730	27.8
1840	
1990	
2190	
2190	
2200	
2220	
2050	
2100	
1940	
1970	
2160	
1950	26.5
1850	30.7
2000	26.2
2020	25.1
1950	26.8
1870	59.6
1830	28.5
1790	26.4
1960	
2040	
2070	
2140	
2160	
2280	

2280	
2180	
587	96.6
	102
2260	350
2560	104
2280	82.4
2150	55.8
2000	45.4
1690	47.1
1560	59.8
1330	47.6
1400	51.3
1440	47.8
1450	47.3
1220	45.6
1180	44.4
1210	48.9
1170	45.1
1180	56.2
1160	40.4
1220	39.8
1260	39.4
1250	33
1300	33.1
1620	62.9
1650	32.9
1760	37.1
2020	39.3
2180	42.8
2280	48.2
2230	49.6
2300	52.3
2320	51
2380	51.2
2250	56.1
2470	48.2
2600	48.4
2570	46.4
2720	44.1
2710	46.3
2630	48.7
2760	42.8
2790	46
2670	31.9
2760	53.4
2640	28.3

2530	
2630	
2610	
2640	
2660	
2720	
2580	
2630	
2780	
3100	
2730	
2760	
2730	
2610	
2570	
2400	
2440	
2450	
2420	
2350	
2400	
2810	
2670	
2730	27.2
2810	30.7
2990	35.5
3030	39.2
3040	43
3010	42.2
2000	356
2180	152
2270	78.1
2370	64.2
2340	33.2
2170	42.5
2620	37.2
2560	40.6
2480	44.1
2560	29.3
2410	25.5
2280	42.2
2180	42.3
2220	40.1
2010	37.6
2040	50.6
1920	49.8
1890	37.2

1960	36.9
2000	42.1
1950	36.4
1930	37.2
1790	37.9
1810	42.8
1890	32.5
1800	32.7
2080	67.1
1830	52.4
1690	55.7
1760	53
1720	55.4
1730	62.4
1560	56.3
1660	57.9
1530	59.2
1600	66.9
1630	61.5
1540	62.4
1640	71.7
1570	82.4
1490	79.8
1440	79.8
1500	84.5
1400	90.9
1410	93.6
1470	98.1
1500	139
1310	115
1340	120
1380	125
1440	127
1420	127
1310	121
1310	122
1220	117
1280	122
1300	127
1220	141
1290	149
1220	140
1200	139
1240	143
1190	117
1350	103
1350	101

1340	98.9
1550	120
1770	81
1730	79
1810	77.4
1820	75
1790	74.9
1740	66.4
1760	76.9
1700	68.1
1890	56.1
2150	39.9
2340	37.1
2530	36.1
2490	37.9
2320	32.8
2200	32.1
2120	35.1
2070	38.3
1930	36
2030	39.3
2180	60.9
2250	28.3
2560	
2590	
2490	
2450	
2340	
2420	
2230	
2280	
2180	
2070	26.5
2260	30.7
2220	34.6
2350	42.5
2480	27.1
2430	29.8
3130	
3030	33
3070	33.1
2020	274
2080	74
1910	88.5
1920	89.4
1980	69.1
1890	69.8

1830	69.6
1850	72.5
1840	71.8
1880	78.8
4100	67.4
1820	79.4
1780	77.3
1760	84.1
1700	99.5
1620	86.1
1750	116
1670	88.4
1650	93
1670	104
1730	98.3
1780	86.1
1740	81.6
1690	83.2
1750	91.3
1570	94.3
1660	103
1610	99.3
1540	103
1560	106
1550	103
1550	97.3
1610	104
1560	108
1560	108
1580	116
1660	148
1700	127
1640	143
1710	93
1800	94.9
1970	97
2110	95.6
2210	91.8
2340	94.6
2180	90.9
2110	88
2080	85.8
2280	91.3
2230	90.3
2110	86.7
2240	89
2290	87.5

2190	84.3
2480	66.8
2760	63.5
3100	88.2
3090	65.9
3090	65.4
3320	54.5
3080	49.9
3180	49.7
3150	50.2
3070	49.8
3010	53.1
2720	54.9
2780	56.2
2720	57.4
2810	58.4
2580	62.3
2450	61.5
2320	64
2480	63.6
2600	59.9
2950	58.5
3200	49.6
3800	70.6
3250	36.6
3750	40.9
3770	39.2
3510	46.5
3250	40.3
3270	44.7
3160	55.4
2730	42.7
2770	49.1
2700	48
2890	47.3
2860	46.8
3080	74.4
2950	55.6
2930	61.1
3290	60.4
3160	58.8
3590	65.2
3640	64.2
3790	56.5
4030	56.5
4220	65.8
3310	117

3220	
3300	37.4
3490	36.7
3630	40.9
3280	37.6
3590	38.2
3670	41.9
3570	42.4
3710	
3580	
3810	67.8
3590	
3470	
3380	
3130	
3170	
3010	
3400	
3000	
2900	
2940	
2830	
2680	
2630	
2460	
2550	
2720	46
2570	38.8
2520	38.9
2290	34.2
2150	33.5
2040	32.6
1920	33.6
1760	36.7
1740	33.7
1640	31
1570	34.6
1760	42.8
1480	34.4
1490	35.8
1480	31.9
1360	34.7
1410	34.2
1390	37.6
1790	43.3
1690	44.6
1590	38.5



1930	44.6
1640	42.8
1450	44.2
1320	48.8
1150	50.9
1200	60
1240	61.7
1190	58
1430	62.8
1520	48.6
1640	41.8
1630	43
1450	45.9
1320	54.7
1180	55.8
1790	73.5
1920	72.5
1880	49.4
2500	49.5
3080	48.7
3090	62
2820	40.7
2790	42.1
2560	43.7
2340	44.2
2100	43.4
2120	50.6
1930	53.6
2160	32.3
2130	30.4
2120	66.4
2060	34.8
2240	102
2740	173
3230	268
3800	347
4000	396
3870	407
3830	459
3970	552
4510	585
4860	582
4820	583
4720	553
4690	544
3820	482
3630	116

3590	50.2
3330	33
3390	38.1
3220	35.4
2920	32.8
2830	34.1
2570	31.4
2450	31
2420	30.5
2380	30.1
2330	32
2350	32.4
2170	31.1
1920	29.8
1770	31.8
1610	31.9
1430	33
1350	31.2
1350	31
1610	84.2
1770	39.5
1630	35.1
1470	39.4
1310	37.8
1240	36.5
1480	34.7
1400	33.3
1310	32.2
1280	30.8
1810	29.7
2060	26.9
2530	34.7
2280	38.1
1990	29.1
1910	30.8
1650	27
1670	29.4
1740	28.1
1830	34.1
2650	96
3240	40.4
3370	64
3970	34
4010	31.4
3900	30.7
4080	29.6
4570	34.8

4650	49.2
4490	57.1
4170	65.2
4150	143
3030	2470
2680	101
2430	52
2500	51.4
2300	66.8
2060	81.6
1880	114
1690	169
1590	260
1590	272
1480	237
1460	180
1540	145
1510	122
1420	102
1600	505
1620	579
1660	589
1720	630
1900	687
2360	736
2380	677
2250	596
2380	643
2140	619
2010	657
1950	694
1860	732
1850	848
1880	1020
1860	1280
1850	1510
2070	2020
1950	2190
2150	2430
2200	2670
2400	2790
2520	2670
2650	2520
2810	2360
3170	2380
3270	2200
3310	1960

3520	1800
3480	1570
3560	1480
3610	1350
3740	1310
3650	1190
3710	1180
3540	1170
3470	1040
3480	1090
3480	1150

B_DIS	BR_DIS	SB_TOT	SB_DIS	BA_TOT	BA_DIS	BE_TOT	BE_DIS	CO_TOT	CO_DIS
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CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_MFE_TOT	FE_DIS	Ferrous
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2.55

2.58

2.72

2.56

5.11

2.88

3.43

3.08

3.14

3.44

58.7

3.52

3.94

3.94

4.01

4.83

5.03

5.48

5.04

5.83

6.34

5.74

5.89

5.49

	5.91
0.543	5.78
0.517	5.58
0.661	5.82
0.689	6.35
0.739	6.63
0.701	4.2
0.846	3.61
0.821	5.12
0.849	3.61
0.713	3.1
0.737	
0.766	
0.899	3.04
0.883	3.18
0.936	3.42
1.07	
0.995	4.16
1.03	4.54
1.12	4.47
0.888	3.33
0.799	3.43
0.884	3.5
0.834	2.58
0.746	
1.01	2.52
0.853	3.58
1.1	2.93
1.16	3.11
1.15	3.66
1.06	3.35
1.1	3.26
1.15	3.47
0.795	3.57
1.04	2.73
0.759	
1.05	
0.569	23.8
0.633	
	13.5
	5.48
	6.16
	5.36
	3.67
	3.44

	10.3
0.558	8.4
0.589	5.28
0.571	5.86
0.661	5.2
0.684	5.61
1.25	7.18
0.792	6.12
0.751	5.57
0.932	5.48
0.937	6.07
0.951	10.2
1.19	16.8
1.02	20.5
0.773	17.3
0.584	14.1
0.679	19.8
	11.1
	11.3
	10.3
0.634	9.62
	7.31
	7.87
	6.8
0.542	6.13
0.54	6.52
	6.62
0.609	8.09
0.551	6.47
0.664	6.61
0.531	6.63
0.926	6.92
0.654	6.76
0.633	6.22

0.66	6.98
0.513	7.76
0.649	6.56
0.714	5.58
0.766	4.71
0.727	253
0.676	4.76
0.764	4.56
0.745	5
0.772	5.27
0.808	5.53
0.922	7.38
1.08	6.43
0.842	5.94
1.03	6.75
0.751	7.04
0.895	6.61
0.828	7.27
0.936	6.42
0.662	6.59
0.844	5.09
0.744	4.46
0.56	4.01
0.754	4.52
0.74	3.9
0.891	4.16
0.748	4.63
0.947	4.71
0.883	4.22
0.873	4.43
1.05	5.89
0.961	4.59
0.911	4.77
1.02	6.24
0.716	4.15
0.86	3.71
0.911	3.54
0.649	4.59
0.622	3.69
0.622	3.59
0.591	2.96
	15.2
0.501	
	2.71
0.541	2.62

	4.07
	4.31
0.908	30.7
0.994	30.7
0.869	18.6
1.05	7.49
0.774	7.53
0.708	27.9
0.613	2.82
	2.82
0.654	3.42
	3.03
0.602	3.21
	3.48
	3.09
	4.63
0.589	3.01
0.527	3.66
0.577	3.54
0.604	3.6
0.586	2.84
0.541	2.79
0.647	2.93
0.587	2.57
0.693	
0.598	2.7
0.801	3.34
0.724	3.58
0.79	3.4
0.901	3.69
0.888	3.84
0.747	4.05
0.955	4.13
1.02	4.34
1.06	4.4
0.971	4.38
0.955	4.7
0.985	4.96
1.1	5.6
1.14	5.26
1.25	6.34
1.35	5.3
1.29	5.39
1.25	4.99
1.48	5.99
1.35	4.8



1.35	4.32
1.21	4.19
1.14	3.76
1.33	4.21
1.29	4.1
1.28	3.2
1.38	2.96
1.44	2.88
1.27	2.57
1.57	
1.29	2.57
1.32	2.65
1.16	2.78
1.26	77.3
1.07	2.9
1.09	2.96
1.08	3.28
1.1	4.01
1.12	3.75
0.967	4.04
1.22	4.5
1.01	5.5
1.23	5.94
1.15	7.09
1.15	7.67
1.27	9.16
1.37	10.5
1.53	9.14
1.35	10.2
0.708	12.9
	3
	4.74

2.52

3.12

3.11

2.5

2.51

2.51

2.83

3.05

3.3

3.47

3.63

3.96

4.41

4.5

4.18

4.05

3.86

3.88

4.2

5.28

5.28

5.1

5.27

5.42

4.59

4.83

4.46

	4.57
	5.12
	4.1
	4.24
	4.1
	4.02
	3.67
0.538	4.04
0.521	3.98
0.552	3.31
0.642	2.86
0.562	
0.731	2.73
0.729	2.92
0.69	
0.741	
0.598	2.68
	2.64
	2.64
	2.6
0.701	
0.642	
0.837	
0.589	
0.743	2.54
0.768	
0.657	
0.688	
0.727	6.22
0.769	
0.594	
0.68	
0.628	3.02
0.785	2.98
0.623	2.65
0.778	2.52
0.831	
0.873	4.6
	7.24
	4.48

13.4

2.63

3.07

2.67

3.34

3.29

2.92

2.62

2.72

3.13

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3.69

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4.2

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4.57

4.58

3.86

3.65

4.43

4.38

4.04

4.28

4.37

4.17  
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6.18  
7.41  
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8.8  
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8.17  
8.77  
11.9

1.34

1.27	2.68
1.02	
1.25	
1.29	
1.01	
1.08	
1.19	
1.08	
1.16	
1.19	
1.26	
1.23	
1.08	
1.02	

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0.979
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0.864
0.74
0.668
0.703
0.597
0.654
0.714
0.686
0.515
0.646
0.715
0.715
0.862
0.683

0.84	
0.703	
0.762	
0.642	
0.582	
0.713	
0.619	
0.534	
0.614	
0.597	
0.776	
0.722	
0.691	
0.732	
0.702	
0.64	
0.67	
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0.961	
1.23	
1.33	
1.3	
1.1	
1.19	
1.21	
0.985	
1.09	
1.12	4.11
1.17	
1.17	
1.52	
1.18	
1.53	4.34
1.8	7.65
2.05	10.6
1.84	13.9
1.88	14.8
2.02	14.3
1.68	15.2
2.02	17.6
1.9	16.2
2.34	16.2
2.12	13.4
2.12	11.8
2.07	13.5
2.16	17.8
1.3	

1.05  
1.21  
1.14  
1.34  
1.14  
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1.03  
0.973  
0.952  
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0.523

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0.798  
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0.987  
1.04

1.34  
1.77  
1.54  
1.45  
1.67  
1.77  
1.98



2.1	
2.32	
2.19	7.83
2.23	27.2
	32.2
	5.77
0.773	11.7
0.525	12.8
0.561	10.4
0.553	6.48
0.561	4.46
0.666	2.77
0.612	
1.17	22.6
1.21	26.8
1.11	26.5
0.964	24.6
1.05	23.1
	18
0.966	16.6
0.797	14.2
0.841	13.6
0.787	13.9
0.78	15.2
0.654	14.9
0.754	15.9
0.743	16.3
0.835	18.9
1.16	21.7
1.02	25.8
1.1	27.9
1.1	32.7
0.948	36.4
0.957	39.9
1.16	38.6
1.31	43.9
1.36	32.5
1.31	27.1
1.26	22.4
1.32	22
1.56	20.4

1.37	16.8
1.48	15
1.19	13.6
1.16	12
1.46	12
1.42	11.8
1.46	11.3
1.46	11.9
1.35	11.1
1.2	10.5
1.13	11.1

HG_TOT	HG_DIS	LI_TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT	PB_DIS
									1.11
									0.548
									1.56
									0.687
									0.921
									0.74

7.55

0.632

4.24

75.7

22.5

12.5

6.83

5.63

5.15

4.92  
4.31  
4.28  
4.32  
4.3  
4.59  
5.08  
5.16  
6.3  
6.51  
8.23  
10.5  
10.6  
17.9  
9.88  
8.33  
8.19  
7.93  
7.72  
7.91  
8.15  
9.58  
11.1  
11.7  
12.8  
15.5  
11.3  
8.27  
6.26  
6.11  
4.83  
4.79  
4.44  
3.44  
2.11  
2.08  
1.58  
1.38  
1.28  
1.42  
1.52  
1.25  
1.16  
1.2  
1.25  
1.19  
1.09

2.39  
4.39  
2.6  
1.09  
2.61  
58.9  
1.25  
0.958  
0.861  
0.752  
0.782  
1.88  
  
0.69  
0.788  
0.792  
0.672  
0.833  
0.782  
0.676  
0.673  
0.605  
0.666  
0.635  
0.614  
0.688  
0.676  
0.711  
0.579  
0.575  
0.687  
0.685  
  
0.799  
0.955  
0.706  
0.608  
0.635  
1.14  
1.05  
1.02  
0.964  
0.937  
1  
0.962  
0.969  
1.29

1.53  
1.57  
2.41  
2.39  
10.1  
1.37  
0.943  
26.9  
0.896  
0.898  
1.52  
0.705  
0.817  
0.786  
0.75  
1.43  
0.726  
0.692  
0.523  
0.61

0.502  
0.522  
0.51  
0.617  
0.531  
0.543  
0.538  
0.52  
0.516  
0.531  
0.566  
0.781  
1.96  
0.671  
2.51

16.1  
0.502  
0.56  
0.664  
0.702  
0.9  
1.06  
1.27  
1.72  
1.97  
2.66  
3.14  
3.7  
5.26  
4.58  
4.58  
5.09  
1.9  
1.3  
0.813  
0.531  
0.542

0.59

0.69

0.74



0.625  
0.593  
0.514

0.64  
0.549  
0.564  
0.635  
0.78  
0.71  
0.744  
0.907  
1.07  
1.12  
1.15  
1.02  
1.45  
1.52  
1.6  
2.23  
1.9  
1.97  
2.15  
2.47  
2.64  
2.87  
2.73  
2.8  
2.81  
3.05  
3.36  
3.27  
3.15  
3.02  
2.9  
2.25  
1.57  
1.45

1.32  
1.48  
0.895  
0.82  
0.858  
0.701  
0.584  
0.592  
0.573  
0.624

0.722

0.571

0.62  
0.539  
1.26  
4.39  
0.915  
1.13  
1.24  
0.973  
0.924

0.915  
0.912  
0.984  
1.07  
2.28  
1.11  
1.16  
1.26  
1.47  
1.57  
2.09  
1.4  
1.41  
1.63  
1.56  
1.42  
1.37  
1.56  
1.78  
2.05  
2.17  
2.24  
2.38  
2.39  
2.41  
2.68  
2.45  
2.27  
2.26  
2.42  
2.41  
2.27  
1.86  
1.5  
1.49  
1.22  
1.06  
1.07  
1.1  
1.17  
1.1  
1.07  
1.12  
1.08  
1.03  
1.03  
1

0.956  
0.886  
0.962  
1.01  
0.774  
0.78  
0.953  
0.732  
0.692  
0.692  
0.731  
0.736  
0.794  
0.839  
0.835  
0.893  
0.851  
0.862  
0.942  
0.871  
0.789  
0.705  
0.584

0.525  
0.704  
0.683  
0.76  
0.864  
0.825  
0.922  
0.903  
0.982  
0.865  
1.23  
1.24  
1.18  
1.16  
1.22  
1.57  
1.71  
1.75  
1.92  
2.21



0.504

0.67

0.756

1.02

1.33

1.26

1.56

0.682

0.774

2.4



0.697  
4.98  
51.6

0.883  
1.39  
1.09  
0.84  
0.745  
0.594

5.2  
8.91  
10.4  
14.9  
17.2  
12.4  
10.2  
9.81  
10.3  
12.4  
15.1  
13.9  
12.9  
13.6  
14.3  
16.8  
19.8  
22.5  
24.8  
28.7  
33.3  
30  
25.4  
21.2  
17.8  
14.7  
13.2  
12



10.6  
9.48  
8.23  
8.2  
8.64  
9.01  
9.43  
10.2  
9.86  
9.88  
12.6

SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT	ZN_DIS
									231
									124
									201
									216
									143
									174
									158
									187
									201
									204
									210
									220
									203
									195
									198
									189
									185
									200
									205
									190
									191
									197
									195
									197
									197
									187
									178
									184
									188
									187
									191
									190
									188
									174
									159
									158
									150
									145
									151
									155
									149
									210
									236

240  
285  
299  
309  
322  
327  
314  
312  
292  
241  
236  
217  
251  
279  
335  
352  
359  
353  
372  
374  
338  
309  
304  
321  
331  
371  
383  
396  
437  
424  
432  
420  
411  
391  
374  
318  
284  
231  
217  
183  
  
114  
128  
117  
121  
124  
117

117  
109  
111  
104  
105  
107  
105  
92.8  
115  
92.5  
94  
92.3  
82.9  
151  
179  
196  
201  
203  
212  
244  
225  
229  
230  
238  
252  
288  
274  
230  
197  
181  
178  
181  
176  
177  
175  
175  
206  
236  
235  
233  
239  
240  
233  
242  
242  
268  
274

276  
282  
278  
255  
278  
592  
294  
302  
304  
326  
343  
344  
332  
339  
351  
345  
355  
355  
339  
348  
304  
276  
248  
289  
321  
363  
353  
357  
381  
389  
373  
376  
367  
357  
476  
291  
305  
300  
246  
236  
231  
210  
204  
185  
178  
168  
156

142  
134  
186  
191  
427  
371  
357  
343  
300  
275  
279  
274  
300  
286  
292  
286  
295  
283  
288  
298  
299  
295  
301  
298  
296  
276  
279  
284  
301  
329  
353  
374  
398  
415  
448  
470  
505  
528  
556  
603  
617  
602  
622  
631  
624  
564  
556

538  
493  
494  
478  
454  
449  
424  
423  
430  
398  
394  
397  
391  
383  
379  
369  
372  
362  
366  
376  
376  
384  
403  
428  
429  
459  
467  
478  
493  
124  
76.5  
48.5  
52.4  
36.1  
49.2  
38.2  
43  
46.9  
50.6  
51.1  
46.9  
40  
40.1  
39.6  
60.7  
36.8  
41.7

48.9  
49.2  
54.2  
62.3  
61.1  
63.5  
64.9  
75.2  
70.4  
65.8  
58.5  
56.8  
59.8  
60.1  
60.2  
74.6  
67.4  
81  
86.1  
85.8  
83.5  
123  
84.7  
80.2  
89  
89.2  
85.7  
89.3  
91.8  
87.9  
90  
90.7  
88.7  
86  
86.4  
85  
83.1  
85.6  
85.2  
83.1  
81  
82.5  
80  
81.6  
89.8  
107  
103



101  
109  
129  
132  
137  
147  
148  
148  
153  
147  
160  
172  
190  
218  
231  
219  
217  
198  
181  
175  
178  
167  
195  
225  
214  
222  
232  
223  
235  
235  
242  
235  
181  
177  
190  
190  
190  
205  
241  
282  
272  
72.9  
23.2  
26.8  
30.6  
23.3  
25.2

24.4  
26.1  
25.4  
26.9  
99.9  
27.1  
27.9  
29.3  
33.2  
33.6  
33.4  
30.6  
33.5  
34.3  
34.9  
36.4  
35.3  
38.1  
38.8  
40.3  
42.8  
43.3  
42.4  
45.8  
49  
53.4  
50.8  
51.3  
52.3  
56  
53.6  
59  
82  
64.3  
69.2  
68.4  
69.9  
67.2  
64.7  
60.8  
59.6  
61.7  
72.4  
71.1  
69.4  
77.7  
77.8

76.8  
84.8  
93.6  
90.1  
93  
96.3  
112  
112  
115  
118  
113  
111  
95.6  
98.1  
96.8  
91.1  
82  
79  
75.7  
80.6  
89.3  
93.1  
99.6  
93.8  
89.3  
115  
107  
176  
123  
107  
106  
90.2  
88.5  
82.1  
81.4  
74.9  
61.1  
60.7  
62.2  
71.1  
77.2  
87.6  
90.4  
102  
107  
106  
368

457  
393  
515  
521  
461  
447  
481  
484  
500  
487  
471  
466  
465  
452  
435  
442  
387  
402  
395  
385  
371  
344  
347  
350  
338  
341  
348  
333  
310  
324  
329  
313  
294  
274  
256  
263  
232  
231  
225  
235  
250  
228  
240  
267  
255  
263  
285

272  
286  
265  
246  
221  
221  
224  
236  
222  
244  
270  
292  
258  
227  
246  
220  
244  
275  
358  
459  
504  
510  
485  
465  
431  
399  
354  
398  
358  
455  
479  
402  
563  
648  
679  
747  
740  
748  
752  
823  
868  
891  
936  
934  
890  
744  
485

408  
503  
435  
418  
374  
363  
326  
326  
300  
266  
256  
237  
228  
212  
181  
162  
144  
151  
158  
165  
180  
173  
154  
148  
142  
162  
168  
161  
185  
260  
322  
323  
320  
306  
281  
279  
285  
292  
298  
280  
374  
457  
498  
545  
574  
717  
840

952  
947  
954  
902  
304  
34.5  
27  
24.7  
22.6  
30.1  
56.4  
94.7  
152  
176  
190  
191  
178  
168  
166  
381  
438  
406  
418  
410  
356  
347  
327  
314  
301  
294  
295  
286  
303  
328  
349  
374  
386  
417  
467  
476  
511  
540  
537  
531  
512  
548  
511

529  
535  
546  
574  
570  
565  
575  
587  
565  
532  
523



%

DIS\_OXY\_I DO SAT. TSS\_MG TDS\_MG T\_PHOS\_MP\_DIS\_MG PO4\_DIS\_I SI\_TOT\_M SI\_DIS\_MCNA\_TOT\_N































as N

NA\_DIS\_MCL\_MG F\_MG HCO3\_MG CO3\_MG OH\_MG NH3\_MG NO2\_MG NO3\_MG NO2\_NO3\_

































<u>K_TOT_MK_DIS_MGSO4_MG</u>	<u>BI_TOT</u>	<u>BI_DIS</u>	<u>GA_TOT</u>	<u>GA_DIS</u>	<u>MO_TOT</u>	<u>MO_DIS</u>	<u>SN_TOT</u>
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SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	meq/L	meq/L	meq/L	mSum	Cation	Sum	Anions	Charge	Balance
--------	--------	--------	--------	--------	----------	----------	-------	-------	-------	------	--------	-----	--------	--------	---------

































	feet	feet	abv. Grd.	column	DOC
Sampler	Well Depth	Water level	Casing	water	

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Lab Name	Lab. Design	Lab Job #	BASIN	NEW SITE	STRM_DESITE	DESITE DES	ITE DESIG	OLD SITE D
A830-0715				Howardsville gage		A55		
A830-0716				Animas Abv Arrastra		A56		
A830-0717				Mouth of Arrastra		A58		
A830-0718				Animas blw Arrastra		A60		
A830-0719				Animas abv Boulder		A61		
A830-0720				Animas blw Boulder & Aspen trib		A64		
A830-0721				Animas opp. Power House		A65		
A830-0722				Animas @ Lakawanna bridge		A66		
A830-0723				Animas Gage @ 14th St. Silverton		A68		
A830-0724				Animas Gage blw Silverton		A72		
A830-0725				Animas upstream of Elk Cr.		A73		
A830-0726				Animas upstream of Cascade Cr.		A75D		
A830-0727				Bakers Bridge		Bbridge		
085M-0093				Howardsville gage		A55		
085M-0094				Animas Abv Arrastra		A56		
085M-0095				Mouth of Arrastra		A58		
085M-0096				Animas blw Arrastra		A60		
085M-0097				Animas abv Boulder		A61		
085M-0098				Animas opp. Power House		A65		
085M-0099				Animas @ Lakawanna bridge		A66		
085M-0100				Animas Gage @ 14th St. Silverton		A68		
085M-0101				Animas Gage blw Silverton		A72		
085M-0102				Animas upstream of Elk Cr.		A73		
085M-0103				Animas Dwnstream of Cascade Cr.		A73B		
085M-0104				Mouth of Cascade Cr.		A75CC		
085M-0105				Animas upstream of Cascade Cr.		A75D		
085M-0106				Mouth of Elk Cr.		A75EC	A73EC	
085M-0107				North End of Durango		Animas @	32nd Bridge	
085M-0108				Near Highway split in Durango		Animas @	Lightner Creek	
085M-0109				South Durango near Home Depot		Animas @	Purple Cliffs	
085M-0110				Bakers Bridge		Bbridge		
085M-0112				Between Bakers & Trimble		James	Ranch	
085M-0113				Mineral Gaging Stn		M34		

Herron, SGC, USGS, CRW, ARSG (often previous site designations)

Other	Allia	OTHER	AL	USGS	AML	MISNOM	SAMPLE	DATE	TIME_24HR	AGENCY	COMMENT	TYPE
								4/16/2014	8:15			
								4/16/2014	13:40			
								4/16/2014	13:00			
								4/16/2014	12:30			
								4/16/2014	11:30			
								4/16/2014	11:00			
								4/16/2014	10:00			
								4/16/2014	9:30			
								4/16/2014	7:00			
								4/14/2014	17:00			
								4/15/2014	10:00			
								4/15/2014	14:00			
								4/15/2014	15:45			
								9/23/2014	8:45			
								9/23/2014	13:50			
								9/23/2014	12:35			
								9/23/2014	10:40			
								9/23/2014	15:35			
								9/25/2014	11:50			
								9/25/2014	10:00			
								9/25/2014	16:40			
								9/25/2014	16:00			
								9/25/2014	11:30			
								9/25/2014	10:00			
								9/24/2014	13:40			
								9/24/2014	14:00			
								9/25/2014	10:40			
								9/25/2014	15:40			
								9/24/2014	12:05			
								9/24/2014	11:15			
								9/25/2014	16:35			
								9/24/2014	14:15			
								9/25/2014	16:00			

PURPOSE	LAT_DD	LONG_DD	ELEV_FT	flow_CFS	daily mean	FLOW_CFS	ST_Q_GPM	PH	pH-lab	TEMP_C
---------	--------	---------	---------	----------	------------	----------	----------	----	--------	--------

	as CaCO3=	mg/l	Mg/l	Mg/l			Totals
field Cond.	lab cond.	HARD_MG	Field Alk	Phen_Alk	Total alk.	ACIDITY	CA_TOT_MCA_DIS_MCa as CaCC
		134					49000
		136					49500
		109					40400
		158					57600
		853					279000
		141					54300
		349					127000
		141					50900
		149					53900
		256					92400
		185					65600
		135					47200
		125					41200
		112					40400
		129					46400
		78					28900
		340					121000
		831					275000
		389					143000
		118					42900
		121					43400
		160					56800
		151					53400
		49					15000
		82					25300
		96					33500
		25					6180
		252					85900
		596					132000
		271					88500
		99					34200
		93					31300
		139					47800

MG_TOT_IMG_DIS_MAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS	B_TOT
2900							
3050	23.8						
1980	30.4						
3430	20.9				0.547		
38200	6170						
1220							
7410	675						
3370							
3570	42.2						
6150	517						
5090	29.2						
4140	27.7						
5460	47						
2670							
3110	28.4						
1380							
9440	119						
34800	4380						
7800	401						
2710							
3000	42.8						
4360	46.9						
4170	23.3						
2720							
4500	103						
3070	40						
2300	43.2						
9090	21.1				8.05		
64800	41				3.47		
12100	35.2				3.74		
3400					1.36		
3600	28.2						
4750	45.7						

B_DIS	BR_DIS	SB_TOT	SB_DIS	BA_TOT	BA_DIS	BE_TOT	BE_DIS	CO_TOT	CO_DIS
					20.4				
					21.8				
					27.3				
					21.7				
									2.8
					11.2				
					13.5				0.234
					12.9				0.136
					14.4				0.644
					31				0.222
					21.6				4.34
					16.9				0.511
					28.8				0.876
					16.8				
					31.9				0.148
					21				
									1.57
					15.9				
					22				0.283
					25.2				3.16
					46				
					54.5				
					69.5				0.295
					17.6				0.892
					40				
					108				0.22
					94.6				0.843
					195				1.44
					19.2				0.328
					26.9				0.1
			0.571		21.3				0.253

CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_NFE_TOT	FE_DIS	Ferrous
	0.197		16.5		1.05			
	0.232		1.3					
	1		5.18		1.14			
	0.809		1.41					
	100		2250					
	0.279		1.83					
	21.8		51.8		1.09			
	0.546		1.4		1.83			
	1.67		3.46					
	2.98		8.07					
	2.03		2.28				341	
	0.387		1.67					
	0.334		2.21		1.15			
	0.161		1.4					
	1.16		4.15					
	0.983		4.32					
	3.86		2.67					
	106		102					
	22		47.2					
	0.296		1.27					
	1.06		4.13					
	1.4		2.87				338	
	0.374		1.18					
			0.915					
			1.57					
	0.786		2.6				107	
					4.73		6050	
							8380	
					3.23		1260	
	0.106		3.12				954	
	0.162		1.78					
	0.127		1.18					

HG_TOT	HG_DIS	LI_TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT	PB_DIS
					4.87				0.964
									1.09
				78300			77.5		13.4
				4.27					
				18300			9.89		2.04
				226					0.123
				1540					
				448			1.95		0.453
				1870			1.19		
				185					
				325					
				4.85					
				689					0.523
									0.964
				6.46					
				108000			41.3		58.8
				16200			13.4		0.579
				2.57					
				590					0.258
				995			1.31		
				2.45			1.35		
				3.37			0.581		
				25.9			2.13		0.119
				290			1.52		0.205
							1.25		
				2690					
				766					
				5870			0.85		0.193
				75.1					2.19
				12.1					0.174
				27.6					



SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT	ZN_DIS
				464					128
				461					124
	1.16			539					136
				571					353
				1610				29900	
				582				264	
				1140				6060	
				481				307	
				497				675	
				898				1630	
				599				709	
				417				173	
				318				115	
				382				73	
				444				463	
				395				125	
				616				1630	
				1330				31100	
				1310				4760	
				417				179	
				456				294	
				576				407	
				542				362	
				135				32.9	
				157					
				303				190	
				46.5					
				656				10.6	
				1550				10	
				896				13.3	
				282				65.1	
				263				46.7	
				343				48.2	

%

DIS\_OXY\_1 DO SAT. TSS\_MG TDS\_MG T\_PHOS\_MP\_DIS\_MG PO4\_DIS\_M SI\_TOT\_M SI\_DIS\_M CNA\_TOT\_N

as N

NA_DIS_MCL_MG	F_MG	HCO3_MG	CO3_MG	OH_MG	NH3_MG	NO2_MG	NO3_MG	NO2_NO3_
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2160								
2320								
2640								
2590								
10400								
2150								
3980								
2240								
2380								
4880								
3620								
2840								
2920								
1670								
1750								
1540								
5420								
8380								
4210								
1880								
2040								
2740								
2720								
1050								
2390								
1660								
604								
13100								
25200								
15200								
1650								
2700								
2690								

K_TOT	MCK_DIS	MGS04_MG	BI_TOT	BI_DIS	GA_TOT	GA_DIS	MO_TOT	MO_DIS	SN_TOT
682									
712									
644									
634									
5240									
519									
2800									
632									
681									
1220									
927									
1010									
818									
516									
1470									
474									
1260									
6680									
3270									
568									
679									
791									
924									
529									
820									
894									
459									
2610									
4140									
3490									
591									
896									
547									

SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	meq/L	meq/L	meq/L	mSum Cation	Sum Anions	Charge Balance
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	feet	feet	abv. Grd.	column	DOC
Sampler	Well Depth	Water level	Casing	water	

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